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GROWTECH. ANTALYA

EXHIBITION NEWS 22 - 25 NOVEMBER 2023



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GROWTECH. ANTALYA, WILL HOST THE HIGHEST NUMBER OF INTERNATIONAL EXHIBITORS THIS YEAR!

GROWTECH. ANTALYA is among the most important trade and marketing organizations of the international agricultural sector. The steady rise in the number of foreign exhibitors has once again confirmed that **GROWTECH. ANTALYA** is the meeting point of the world agricultural sector. This year we will host 598 international exhibitors from 27 countries. Germany, The Netherlands, Spain, China and South Korea will take part with national pavilions.

GROWTECH.
EXHIBITION DIRECTOR,
ENİN ER



THE FUTURE OF AGRICULTURE WILL BE DISCUSSED AT **GROWTECH. ANTALYA**

As every year, **GROWTECH. ANTALYA** continues to host different events where the future of the industry is discussed and to support innovative work.

This year, it will host ATSO **GROWTECH. ANTALYA** Agriculture Innovation Awards in cooperation with Antalya Chamber of Commerce and Industry and Plant Breeding Project Market in cooperation with Antalya Teknokent, Antalya Chamber of Commerce and

Industry (ATSO) and Turkish Seed Growers Association (TÜRKTOB) for the 7th time.

Agriculture Talks, which will be held in collaboration with Agriculture Editor Mine Ataman, will offer a platform where important insights about the future of agriculture will be discussed and new ideas will be developed. This year, Agriculture Talks will bring together interesting topics and guests with the motto of "Partner in the Future".



ANTALYA
Travel Guide
» Page 28

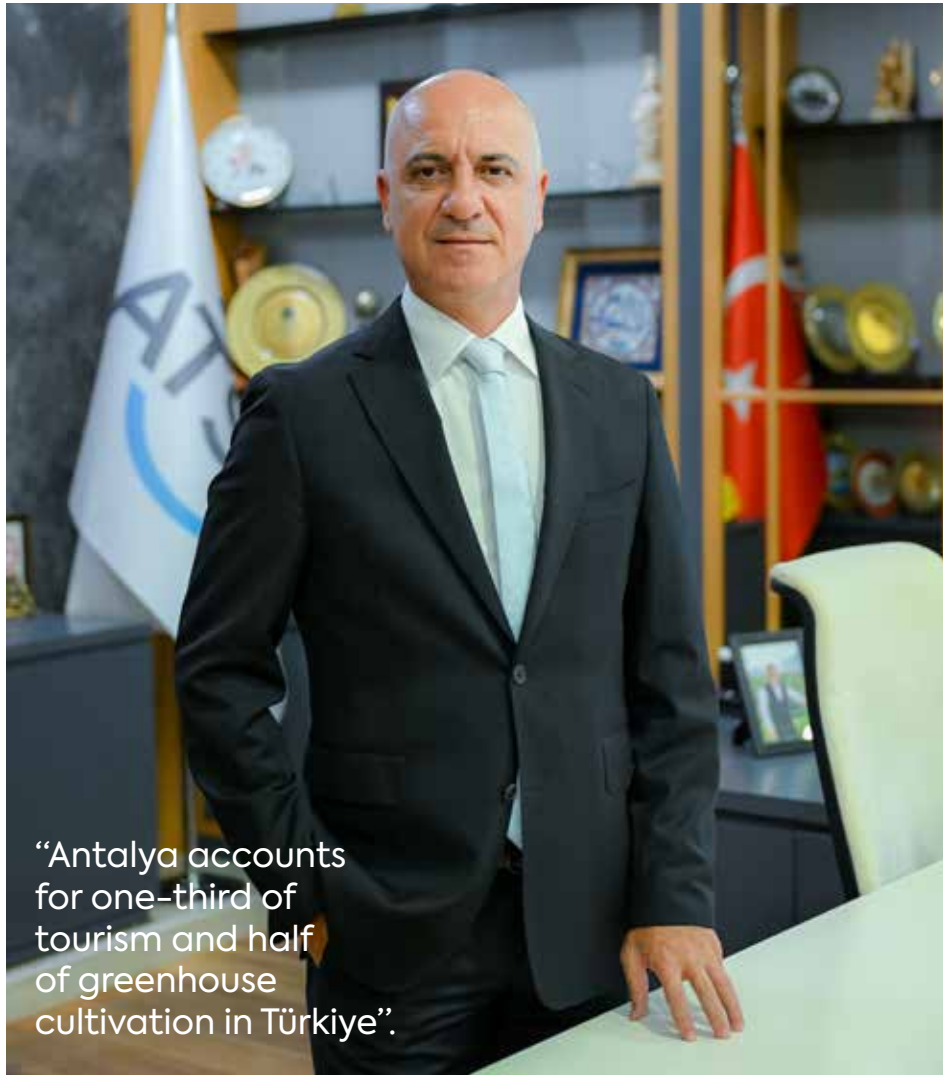


WHAT'S GOING
on in the city?
» Page 32



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growing together



“Antalya accounts for one-third of tourism and half of greenhouse cultivation in Türkiye”.

What significance does the 22nd Growtech event hold for the Antalya Chamber of Commerce and Industry?

As the Antalya Chamber of Commerce and Industry, we are dedicated to creating projects and fostering collaborations to benefit all our members and contribute to every sector. In this context, the Growtech International Greenhouse, Agricultural Equipment, and Technologies Fair is an event that the Antalya Chamber of Commerce and Industry has been in close cooperation with for many years. Celebrating its 22nd year, Growtech brings together the most critical players in the agricultural sector in Antalya, the agricultural capital of Türkiye, every year. Therefore, supporting this exhibition is a priority for ACCI, and we are proud to have a booth at the event. We have worked with Growtech for

the past six years to organize the ACCI Growtech Agricultural Innovation Awards. There have been significant advancements in Antalya, particularly regarding seed and seedling production. There are impressive developments in creating new products with high added value, as well as new and successful practices in agricultural technologies. This innovative culture should be adopted in all fields. This way, we are showcasing successful examples to increase public awareness.

What is the significance of the Growtech Fair for Antalya and Türkiye?

Antalya is considered the hub of tourism and agricultural Production in Türkiye, which we emphasize on every platform. Antalya accounts for one-third of tourism and half of greenhouse cultivation in Türkiye. We are a leading producer of

fresh fruits and vegetables. The Growtech Fair is an event that is perfectly suited to Antalya, as it not only contributes to our tourism potential but also supports the agricultural industry. The interest shown by many exhibitors and visitors from many countries is a clear indication of this. By discussing agricultural production, technologies, innovation, digital agriculture, and smart agriculture and creating synergy among all stakeholders in the industry, this great event contributes to both national agriculture and Antalya.

What benefits would the ACCI Growtech Agricultural Innovation Awards, which have been organized annually since 2017, provide to the industry?

The ACCI Growtech Agricultural Innovation Awards is a prestigious accolade that recognizes

ALI BAHAR

“Antalya is Considered the Hub of Tourism and Agricultural Production in Türkiye”

We recently had the opportunity to interview Ali Bahar, the President of the Antalya Chamber of Commerce and Industry (ACCI), regarding their activities for the upcoming 22nd annual GROWTECH. ANTALYA. Bahar highlighted the significance of the Growtech Fair for both Antalya and Türkiye and provided valuable information about the ACCI GROWTECH. ANTALYA Agricultural Innovation Awards, which have been hosted by the ACCI in partnership with Growtech for the past six years.

innovative products and services in the agricultural sector, presented to private sector companies and individuals who have successfully implemented their business ideas to enhance agricultural production and have raised awareness, with the support and collaborations of our Chamber.

At ACCI, we are committed to fostering an ecosystem of innovation and entrepreneurship with a supportive mindset. In this sense, the ACCI Growtech Agricultural Innovation Awards is highly anticipated by our sectoral representatives, where significant projects compete. We are pleased with the interest shown by the industry. Moreover, we can closely follow that the event offers essential contributions to the agricultural sector, raising awareness and keeping up with the new industry developments.

Can you provide information about the activities you have planned for the fair as ACCI? Can you please give information about your planned activities?

We will be exhibiting at the fair with a booth representing the ACCI on behalf of our members. Our chamber booth will

provide our members with an opportunity to interact with local and foreign investors and facilitate business meetings during the event. We cordially invite all our members interested in having discussions or hosting their guests to visit our booth. Furthermore, we are proud to support the 7th Plant Breeding Project Market (BIPP) organized by the Antalya Technocity during the fair. Our presence at the exhibition aims to connect our members with the industry, help them stay informed about the latest innovations, and foster new partnerships.

“Our chamber booth will provide our members with an opportunity to interact with local and foreign investors and facilitate business meetings during the event.”

How did the agricultural industry perform this year? What are your predictions for the agricultural sector for the new year, with only a little time left before 2024?

The agricultural industry is a critical sector that demands significant attention from the country.

I firmly believe that agriculture should be treated as a national issue, much like the defense industry.

In the last 15 years, agricultural lands have shrunk by 3.16 million hectares due to various reasons, including the rezoning of arable agricultural lands for construction, erosions, and parcellation of farmlands by inheritance in our country. As agricultural lands are depleting both in our country and worldwide, the population that requires sustenance is unfortunately increasing. It is projected that agricultural production must surge by 70 percent by 2050 to cater to the growing population. The most crucial step to address the issue is to prioritize the agricultural sector and to create employment opportunities throughout the year. Due to the low-income levels in the agricultural industry, our youth are reluctant to pursue agriculture as a career. We must develop immediate action plans to tackle this situation.

On the other hand, our country and Antalya’s agricultural exports are on the rise. With the proper planning and effort, I believe we can elevate our already thriving agricultural sector to new heights.



GROWTECH
GROWTECH
GROWTECH



**We are working
for the future of
agriculture in Antalya**

PROJECT FOR A CENTRE OF INNOVATION and ENTREPRENEURSHIP IN AGRICULTURAL TECHNOLOGIES WITH THE COOPERATION OF ANTALYA CHAMBER OF COMMERCE AND INDUSTRY and WEST MEDITERRANEAN DEVELOPMENT AGENCY



ANTALYA CHAMBER OF
COMMERCE AND INDUSTRY



ALİBAHAR
PRESIDENT OF THE EXECUTIVE BOARD



www.atso.org.tr

With its renewed brand concept and broad participation by domestic and foreign companies, **GROWTECH. ANTALYA**, the biggest greenhouse agriculture sector exhibition in the world, which will be held on 22-25 November this year, at Anfaş Expo Center in Antalya, will open its doors for the 22nd time this year.

Underlining that they hosted thousands of domestic and foreign companies engaged in the greenhouse agriculture sector for years and that they have created a considerable sectoral momentum, the **GROWTECH. Exhibition Director Engin Er**, informs that this year's number of foreign exhibitors and the square meter occupied by foreign exhibitors have peaked.



ENGINEER

“**GROWTECH. ANTALYA FOCUSES ON TECHNOLOGY AND SUSTAINABILITY IN ITS 22ND YEAR**”

Mr. Engin, which product groups and countries we will see at the 22nd GROWTECH. ANTALYA and how is the level of participation?

GROWTECH. ANTALYA is listed among the major trade and marketing organizations of the international agriculture sector. Stand sales were completed 6 months ago, due to the great interest shown by domestic and foreign companies. Steady rise of foreign exhibitors has, once again, proven that Growtech is the meeting point of world agriculture sector. The number of international exhibitors gradually increase with each passing year. This year, we will host 598 international exhibitors from 27 countries. Germany, the Netherlands, Spain, China and South Korea

will attend at national level. China has taken a giant step in growth, especially after the pandemic. With visitors arriving from over 120 countries, China targets reaching the world agriculture sector through GROWTECH. ANTALYA.

How do you evaluate GROWTECH. ANTALYA's contribution to export?

We share the excitement of gathering the strength and potential of Turkish agriculture sector and international agriculture sector shareholders and professionals under the same roof. As I mentioned before, we will bring together 195 foreign exhibitors from 27 countries, which makes a total of 598 international exhibitors, and more than 120 agriculture sector professionals, for 4 days. In addition to contribu-

ting to the export rate of the country, as it does every year, GROWTECH. ANTALYA will accelerate the agriculture sector in the entire world. Export potential of Türkiye in the agriculture sector is very high. Our country's share in export also continues every passing year. GROWTECH. ANTALYA will host international collaborations, again this year.

Every year, you host important events at GROWTECH. ANTALYA. What kind of innovations are waiting for exhibitors and visitors?

Within the framework of our exhibition that promotes innovative studies and hosts events which vary every year and where the future of the sector is discussed, we will hold ATSO GROWTECH. ANTALYA

Agricultural Innovation Awards in collaboration with Antalya Chamber of Commerce and Industry and the 7th Plant Breeding Project Market in collaboration with Antalya Teknokent, Antalya Chamber of Commerce and Industry (ATSO) and Turkish Seed Union (TURKTOB).

Leading experts, producers and agricultural industry professionals in the agriculture sector will gather at “Agriculture Talks” to share their knowledge and experiences.

“Agriculture Talks”, which we held in collaboration with Mine Ataman, will provide a platform where key opinions on the future of agriculture will be discussed and new ideas will be developed.

This year, “Agriculture Talks” will bring together really interesting topics

“Our umbrella brand, **GROWTECH.**, will allow us to hold new exhibitions at different countries, by adopting a new view, a new vision and new destinations. In addition to **GROWTECH. ANTALYA**, we will make our exhibitors meet the Far East market at Indonesia, Jakarta on 04-06 September 2024, at **GROWTECH. JAKARTA**. We also maintain our efforts for our new **GROWTECH.** exhibitions at new destinations.”

and guests under the motto of “Partner in the Future”. Future of agriculture, under the headlines of Life-Fixing Agriculture, Agriculture and Food in the shadow of Ethics, Agricultural Diplomacy, Biotechnology, and Agriculture and Food systems: Guarantee of Fullness will meet the visitors through inspiring speeches and sharing, and motivate the sector.

As GROWTECH. ANTALYA, we are aware that you have a project to draw attention to the issue of water. Can you please share some details with us?

We, as GROWTECH. ANTALYA, will sign a significant project to carry into effect specific projects that highlight water. We are aware that we need to protect “water” to protect our future. This is why, we are carrying into effect at GROWTECH. ANTALYA the project titled “Promising the Earth and Taking Action!” On an area that we will establish in the exhibition area, we will prepare a platform during the exhibition to enable all our visitors and exhibitors to make a promise. All together, we will promise our world that we will protect water. On the exhibition area, we will prepare and place a giant board made of recycled cloth. We want our visitors and exhibitors to sign and convey their messages to the world on that board, whichever they wish. Our goal is to protect 25 liters of water per person. As GROWTECH. ANTALYA, we believe that we can raise such awareness with the help of our exhibitors and visitors.

GROWTECH. is in a process of transformation and regeneration. Can you please share with us the details of that process?

As we always underline, GROWTECH. ANTALYA is the meeting point of world agriculture sector. An important platform for the international agriculture sector trade. Today, our exhibitors, visitors and shareholders have a big share in such success of GROWTECH. ANTALYA. Our umbrella brand, GROWTECH., will allow us to hold new exhibitions at different countries, by adopting a new view, a new vision and new destinations. In addition to GROWTECH. ANTALYA, we will make our exhibitors meet the Far East market at Indonesia, Jakarta on 04-06 September 2024, at GROWTECH. JAKARTA. We also maintain our efforts for our new GROWTECH. exhibitions at new destinations.

What would you like to add lastly?

We continue working at the top of our strength so that our exhibition becomes more successful every passing year. I would like to thank all exhibitor companies, all guests who visit our exhibition, all agencies and non-governmental organizations promoting our exhibition, our GROWTECH. team who have somehow contributed to the exhibition. Wishing us all a productive and cheerful GROWTECH. ANTALYA exhibition.

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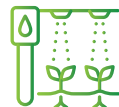
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“The Exhibition is a Wide Plateau That Opens Up A World of Opportunities for Export and Serves as a Transit Point for Our Association”

What significance does the 22nd Growtech event hold for the Greenhouse Construction Hardware and Equipment Manufacturers and Exporters Association?

For years, Growtech has been the most significant event for the greenhouse industry in Türkiye. Its importance extends beyond Türkiye to Western Europe and Asia-Far East. Growtech is particularly attractive to European countries that are focused mainly on greenhouse production, such as the Netherlands and Spain, as well as China and Korea.

Growtech can be considered as a global trade fair that serves as an intercontinental meeting point. It attracts foreign competitors, suppliers, and visitors from various countries, such as the Turkic Republics and Caucasian Countries, Russia, as well as visitors from the Middle East, Europe, and overseas.

The exhibition is a wide plateau that opens up a world of opportunities for export and serves as a transit point for our association, Serkonder.

What is the significance of Growtech Fair in promoting our country?

Our organization has been involved in greenhouse cultivation for the past 60 years. It is worth noting that the first greenhouse institute, BATEM, the Directorate of West Mediterranean Agricultural Institute, was established

in Antalya, and we have a long-standing history in this field. It is an exceptional experience to host this global exhibition in Antalya, Türkiye, which complements and advances our extensive experience. As greenhouse construction and equipment manufacturers, we attend this exhibition and feel at ease, both at home and on the world stage.

Could you please share your professional observations as SERKONDER regarding the contributions of technological advancements to the sector? What kind of activities do you undertake in this regard?

Technology, like in any sphere, has helped us become faster and wiser, and our equipment more organized in the field of greenhouse cultivation (and the greenhouses where they are used). Turkish greenhouse farming has gained recognition not only for its major and extensive projects but also for the high-quality and technologically advanced greenhouse equipment developed. While open-field tomato cultivation can produce 8-9 kg/ m² per year, greenhouse technologies have increased this yield up to 60 kg/ m² in the last 30 years. Thanks to this technology, some of our members have achieved a tomato productivity of 75-80 kg/ m² in greenhouses built in different regions across the world. This is now possible with this technology. To increase productivity in smaller areas, the solution lies in building more

SERKONDER

Cengiz Yaylalı, the Chairman of the Board of the Greenhouse Construction Hardware and Equipment Manufacturers and Exporters Association (SERKONDER), stated that GROWTECH. ANTALYA has been the most significant event for the greenhouse industry in Türkiye for many years and emphasized that it provides a wide plateau opening up a world of opportunities for export, to exports for their association, and serves as a strong transit point.



Cengiz Yaylalı
Chairman of the Board
SERKONDER

technologically advanced greenhouses.

“This exhibition is poised to mark a significant milestone, signaling the emergence of global players amongst Turkish manufacturers of greenhouse construction equipment.”

How did the greenhouse industry perform in 2023? What are your predictions for the upcoming year?

The greenhouse industry made a significant breakthrough in 2023 after experiencing shrinkage due to the Russia-Ukraine war and the pandemic from 2020-2022. The compensation for these losses was finally achieved this year. The next five years show promising progress in vegetable and fruit cultivation, with a particular focus on tomato cultivation. Since soil and water resources are limited, a significant portion of agriculture will inevitably shift towards greenhouse cultivation. However, despite serious investments in greenhouses over the past two decades, only 4% of global tomato production is exported, with the remaining 96% being consumed locally. This highlights the need for significant investment in modern greenhouses in the upcoming 5-10 years. These investments can only be realized by

high-quality, reliable greenhouse construction equipment manufacturers that honor their contracts. Serkonder is the final destination for companies that fit this definition.

It is appropriate to say that this exhibition is poised to mark a significant milestone, signaling the emergence of global players amongst Turkish manufacturers of greenhouse construction equipment. I believe that the event is anticipated to comprise multiple exhaustive contracts, discussions, and partnerships among participating countries.

As a result, many members might urge you to organize new events in diverse global markets.

In essence, this exhibition will play an important role in transforming us into world citizens within the greenhouse industry over the next decade.

Could you please provide us with information about your plans during the exhibition and what you will be sharing with the attendees?

During the exhibition, we will have many members attending, along with several local and foreign guests. We will be hosting a convention in Antalya on November 3rd titled “Greenhouse Industry Meets With Stakeholders”. In addition, we plan to have a cocktail event on the evening of the exhibition to socialize with our guests from Russia, Kazakhstan, Uzbekistan, Azerbaijan, and Turkmenistan.

Adding Value to the Industry with Modern Agriculture Technologies

MST HOLLAND

MST Holland is a company that has significantly contributed to the agricultural industry through its collaborations, offering world-class services. We had the opportunity to interview the owner, Meral Bilgin, to learn about the brand story of MST Holland and its privileged position in the industry.

Hello Mrs. Meral, could you please tell more about yourself and share with us your story of introduction to the agricultural industry with MST Holland?

In 2000, my partner from the Netherlands and I established Tür-Ned Imports Exports Ltd. Co. in order to join the modern agriculture sector. Our company was established to supply different tools and equipment from the Netherlands. In 2009, we established MST Holland to expand our supply network and improve our service network. Separate from Tür-Ned, MST Holland is focused on training supervisors, providing supervisor support in Europe, and opening up manufacturing opportunities in Türkiye as well as neighboring countries, with an ultimate vision to be recognized among the top companies in irrigation, electricity, and automation.

What services does MST Holland provide, and how does it cater to the needs of the agriculture sector?

MST Holland is a 23-year-old company that is dedicated to producing highly accurate projects by utilizing modern agricultural technologies, and manufactures all equipment and material groups at their own plant, mainly including irrigation units, greenhouse regional panels, roofs, curtains, heating control panels, PE fertil-



Meral BILGIN Chairman of the Board

izer tanks, water pressure tanks, and valve sets as well as offering equipment, assembly, and supervision services.

What design and construction techniques do you use for your greenhouse projects, and what steps do you follow during the projecting process?

Once all the systems included in the project's scope of supply are defined, the next step is to start the projection phase. Initially, a design concept

and calculation are created to generate the first diagrams based on the requirements of the greenhouse. Then, general details are drawn. Throughout all these stages, our project management engineers work in coordination and share information to ensure seamless execution. Once a concept project for a greenhouse is created, it is sent to greenhouse construction companies for approval. Based on their recommendations and opinions, the final project is prepared, including perspectives and technical details. Finally, the project is ready to be

implemented at the greenhouse.

What is your approach to ensuring environmental sustainability and energy efficiency in your greenhouse projects?

I believe manufacturers will face multiple challenges in the 21st century, including but not limited to:

- Water outages;
- Rising energy costs;
- Increasing fertilizer costs; and
- Unconscious environmental pollution.

In this sense, ensuring food safety, optimizing water usage, and enhancing energy efficiency have emerged as critical aspects. Therefore, investors who prioritize these factors will likely experience a more promising future.

Recently, investors have shown a growing interest in drainage recycling systems, primarily to save fertilizer and water and to protect nature due to the increase in prices of fertilizers and pesticides and the disposal of fertilizers and service waters into nature. By adopting this system, there is a potential to save at least 30-40% of fertilizer and water annually. To achieve this, we use NUF and UV disinfection systems. To learn more about these systems, please visit our website at www.mst-holland.com.

Why should customers choose to work with your company based on its expertise and experience?

Our greatest advantage lies in the fact that all of our colleagues are trained in Dutch discipline, which has equipped them with technical learning skills and experience. As a result, we no longer need to rely on supervisors from the Netherlands and are now able to offer supervision services to our partner companies in the Netherlands. This is a significant benefit for us and our country as a whole.

Furthermore, we are committed to being a solution partner and never leave our investors alone during production. We offer know-how transfer, R&D, technological solutions, training for production and technical teams, supervision, along with projecting services. From the outset of a project, our dedicated team is trained simultaneously, given both theoretical and practical training, and integrated into the project.

“We are now producing top-quality irrigation units in our own factories, using cutting-edge technology.”

What is your current status in terms of technological advancements? What kind of technological innovations and automation systems are employed in your greenhouse projects?

We are now producing top-quality irrigation units in our own factories, using cutting-edge technology. At the start, we used to purchase fertilizing units from our partners in the Netherlands. However, as our theoretical and practical knowledge increased, we began to question why we could not produce them in Türkiye ourselves. Our customers' demands varied by project, which meant that only in-house production could fulfill those demands. Otherwise, outsourcing everything caused delays and significantly increased costs.

Now, we have the capability to manufacture fertilizing units with any capacity (5-10-15-20-30- 40-60-80-100-120-140-150m³/h based on the specific requirements of customers with our skilled mechanical engineers. In this way, we are supplying fertilizing products in cooperation with our Dutch partners.

As the sole and exclusive

dealer of Hoogendoorn, a global leader in automation, in Türkiye, our automation technology can provide superior quality products with greater efficiency while minimizing the use of resources. The artificial intelligence and unique capabilities of the automation system can monitor and control all kinds of greenhouses, classify, analyze, measure, and predict data, irrespective of scale or climate, by minimizing the need for manual labor and reducing errors. Therefore, this technology supervises your plants on a 24/7 basis while offering controlled growth and speed, which results in an increase in total output while maintaining the quality and efficiency of production.

Finally, upon reflection, where does MST Holland currently stand in relation to its objectives? What new targets have you set for the upcoming days?

Our main objective is to provide the most suitable technologies and services to enhance product quality, helping investors achieve their goals in the modern greenhouse sector. The world's population is rapidly increasing, but food production is not keeping up with this growth. Around 1 billion people worldwide do not have access to sufficient food. To reduce this issue, we must increase food production and efficiency. Modern greenhouses offer significant opportunities for uninterrupted production and improved efficiency through the use of technology.

Our success and reputation in the sector are due to our principles of customer satisfaction and disciplined and success-driven efforts. We continue to grow and will do so with the help of our investors.



A significant campaign highlighting the importance of water, which has become even more vital due to global climate changes, is initiated at Growtech Exhibition that is held for the 22nd time this year.

'PROMISING TO THE EARTH'

A Significant Project by GROWTECH. ANTALYA to Protect Water Resources

Growtech Exhibition Director, Engin Er, stated that they, as Growtech - the world's biggest greenhouse agriculture sector exhibition -, not only gathered the world's agriculture sector professionals under the same roof, but also hosted the agenda items of the sector they served for.

Engin Er added, "We are aware that water is an exhaustible resource. This is why we cannot wait for miracles to ensure continuity of life and agriculture. We believe that we need to raise our farmers' awareness in the light of technology and science. We need to change our mode of productions and find ways for efficient

use of our resources. We create common spaces to carry into effect projects that attach importance to water, while also playing a key role in gathering our shareholders in inspiring environments. We are aware that we need to protect "Water" to protect our future.

This is why, we are carrying into effect at Growtech 2023 the project titled 'Promising to the Earth and Taking Action!' On an area that we will establish in the exhibition area, we will prepare a platform to enable all our visitors and exhibitors to make a promise. All together, we will promise to the earth that we will protect water", he said.

"OUR OBJECTIVE IS TO PROTECT WATER"

Providing information about the 'Promising to the Earth and Taking Action' project that will be held at Growtech, which is preparing to open its doors for the 22nd time this year at Antalya Anfaş Expo Center, Engin Er noted, "We will prepare a giant board made of recycled fabric at the exhibition area.

We want our visitors and exhibitors to sign and convey their messages to the world on that board, whichever they wish. Our goal is to protect 25 liters of water per person. We believe that this awareness can be raised and disseminated with our more than 60 thousand international visitors and 598 exhibitors from 27 countries."

"PROMISING TO THE EARTH AND TAKING ACTION"

Underlining that Growtech exhibition has an extensive structure, Engin Er continued his words as follows: "As the world's biggest greenhouse agriculture sector exhibition, we gather the world's agricultural professionals under the same roof. In addition to being an international exhibition, we are the most important trade and marketing platform where major issues concerning the future of the agriculture sector is shaped and technologies in the agriculture sector are prioritized. We are

aware of the effect of key issues like climate change and exhaustion of water resources on the agriculture sector. We further embrace important issues of the sector we serve for and ruminate over what we can do to raise awareness. Water is the main topic of our future, life and sustainability of agriculture. As Growtech, with the awareness that water is a consumable resource and every individual is responsible for protecting water, we intend to raise the same awareness for all our visitors and exhibitors."





MEHMET YAPICI - BÜŞRA YAPICI

In 2010, Agricultural Engineers Büşra Yapıcı and Mehmet Yapıcı founded Petektar Seed Company on a sprawling 40-decare land in Antalya with a primary objective to increase efficiency and quality through continual improvements while developing local seeds to add value to the soil.



A Leader in Local Seed

PETEKTAR SEEDS



After years of research and development, Petektar Seeds is committed to ensuring that our country's seed requirements are met from its own genetic resources, while also adding value to the sector. The company now directs its improvement efforts through plant tissue culture and molecular laboratories to advance its R&D studies in the scientific field.

Petektar Seeds employs conventional improvement methods and complementary techniques

in its R&D studies with the help of its expert team, to offer local seeds that are resistant to plant diseases, have high-quality standards, and have undergone physical and physiological tests, ensuring that farmers have access to resistant, efficient, high-quality, and long-lasting seeds.

The company maintains a strong sectoral network with distributors, without any commercial concerns, and aims to promote the quality of Turkish seeds to the world with companies

that add value to their countries and intends to become a worldwide known company with foreign representatives in the future.

Pointing out to the wealth of Türkiye in

regards to genetic resources and making its name in the agricultural sector with numerous successful projects and exports, Petektar Seeds creates jobs for women, enabling them to realize their innate potential.



SECRETARY GENERAL OF BASUSAD NURI GÖKTEPE

“Türkiye is a Leading Country in the Pressurized Irrigation Industry Sector Worldwide”

What does the 22nd Growtech event mean for the members of the Pressurized Irrigation Industrialists Association?

The Growtech exhibition is a prominent event that brings together irrigation technologies and other agricultural components for both domestic and international visitors. The exhibition serves as a platform to showcase various irrigation technologies and their components that constitute an irrigation system, as well as offers an opportunity to interact with industry experts. For the past three years, members of BASUSAD have been attending the exhibition collectively at the “Private Space for BASUSAD.”

“The recent global warming and the resulting drought have highlighted the strategic importance of water.”

What contributions does the exhibition make to the irrigation and agriculture industry in Türkiye?

The recent global warming and the resulting drought have highlighted the strategic importance of water. The demand for food is rapidly increasing with the growing population, yet agricultural

production has not kept up with the pace of demand, even decreased, due to global warming and a variety of other reasons. Consequently, the amount of water available per capita is decreasing, and our water resources are dwindling.

In fact, three-quarters of our country’s water supply is now used for agricultural irrigation, while half of that water is wasted due to poor irrigation techniques.

Given these concerns, we believe that the Growtech exhibition provides a valuable platform for promoting modern irrigation technologies and raising public awareness about the strategic importance of water.

Do you have any suggestions for conscious water usage as BASUSAD? What efforts do you make in this regard?

First of all, all projects related to “irrigation infrastructure,” including water transmission from dams, ponds, and reservoirs to individual parcels, as well as “on-farm irrigation systems,” should be planned and budgeted together and should be managed on a centralized basis.

The amount of share allocated to irrigation projects in the centralized management’s investment budgets should be increased by at least threefold. Furthermore, on-farm



In an interview with Nuri Göktepe, the Secretary General of the Pressurized Irrigation Industrialists Association (BASUSAD), he expressed that the exhibitors at GROWTECH. ANTALYA were provided with the opportunity to explore various irrigation technologies and the components of an irrigation system while also having the chance to connect with experts in the field.

irrigation projects should be collectively planned and included in the areas newly opened for irrigation.

Rather than constructing new irrigation infrastructure projects to attain rapid water savings, priority should be given to transforming the open ducts, which constitute 70% of the existing in-

frastructure and cause 50% water loss, into closed, piped water systems. Additionally, it is imperative to expedite the transition to pressurized irrigation in parcels where pressurized irrigation infrastructure is available but not utilized due to various reasons through measures and incentives and subsidies (such as VAT reduction,

100% grants for initial installation of pressurized irrigation system).

In line with these principles, the development of collective irrigation systems that enable economic and efficient operation of smart irrigation systems in newly opened areas for irrigation should be targeted.

“Presently, we possess the ability to discern the various requirements of different sections even within the same production plot, and effectively implement several fertilization and irrigation programs, accordingly.”

How important is technology to your sector, and how do you keep up with advancements?

Türkiye is recognized as one of the leading countries in the pressurized irrigation industry. Most of our members have the capability to manufacture their own machinery and equipment, provide turn-key delivery irriga-

tion projects, and export to over 40 countries.

Presently, we possess the ability to discern the various requirements of different sections even within the same production plot and effectively implement several fertilization and irrigation programs accordingly. Thus, in agricultural production, it is possible to achieve the highest efficiency with the lowest costs per unit area by using water in the most economical way possible, considering it is a limited source.

However, there are several obstacles encountered in the use of technology for irrigation, such as small parcel sizes, high initial investments, and other challenges that users face while accessing technology. In this regard, collective irrigation systems become more important.

Can you provide more information about the activities that will take place during the Growtech Exhibition in 2023?

Our members will promote the various irrigation technologies and products at their booths and attend various events to discuss the importance of water and effective water management.



A Privileged Spot in the Industry

İlk Mega Tarım

İlk Mega Tarım is a company that specializes in production and efficiency initiatives around the world. Their team of specialized engineers and land application staff has been working towards this goal since 1994. They believe in the principle of 'quality in production, productivity in harvest' and are known in the industry for their modern irrigation system designs and implementations.



In an interview with the Growtech Fair newspaper, the founder of İlk Mega Tarım, Ali Ormancıoğlu, discussed the importance of improving and benefiting matters in agriculture. He also highlighted the future opportunities in agriculture.

"At İlk Mega Tarım, we strive to add value through our tropical fruit growing projects in Türkiye despite being thousands of kilometers away from the mainland, with the support of our experts in tropical fruit worldwide in close cooperation with Netafim."



Papaya is a type of fruit that has been scientifically studied and grown successfully under suitable regional conditions in our country, except for bananas, among tropical fruits. Other types of fruits that are also commonly grown include mango, passiflora, longan, guava, litchi, and pitaya.

he most significant advantages of tropical fruit nurseries include:

High-Profit Margin

Tropical fruits offer high-profit margins due to high demand and limited supply.

Domestic and International Markets

There is a constantly increasing demand for tropical fruits both in Türkiye and international markets.



Tropic fruit growing requires a complete automated irrigation system (temperature-irrigation-fertilizing-sprinkling-meteorological unit for control and management, fogging systems to increase ambient air humidity) that enables the creation of various fertilizing recipes based on climate and type of product being grown to obtain products that are suitable for productivity and export quality. By using automation systems, the productivity of tropical fruits increases while the need for extra labor decreases. Given the current global climate conditions, we believe that tropical fruit growing in Türkiye would increase in greenhouses, making it a vital import item.

www.ilmegatarim.com.tr



NETAFIM
Bölge Yetkili Bayi

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İLK MEGA
TARIM



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Uniba Agriculture is making significant strides in establishing itself as a prominent player in the fertilizer industry, both in Türkiye and globally, thanks to its investments and innovative practices. In an interview with Barış Büyükyörük, the owner of Uniba Agriculture, he revealed their approach to keeping up with global advancements and implementing authentic activities in the sector, elaborating on various initiatives that they have undertaken in the sector.

“Our success in achieving our targets motivates us to set new and improved goals for the future.”

UNIBA AGRICULTURE

Hello, could you please provide us with some information about yourself and Uniba Agriculture Co.?

Uniba Agriculture Industry and Trade Co. was founded in Antalya in 2015. The company made a strong entrance into the fertilizer sector by providing technical materials required by fertilizer producers in the agriculture industry. The establishment of a new factory in the Organized Industrial Zone allowed our company to expand its scope of activities by supplying raw materials and producing plant development regulators and plant nutrition products. Due to increased demand for our products, we established Webba Chemistry Co. approximately 1.5 years ago. Uniba and Webba export to a total of 23 countries, aiming to meet the quality expectations of global farmers. According to the 2018 data provided by the Union of Chambers and

Commodity Exchanges of Türkiye, our company ranks 64th among Türkiye's fastest-growing companies and is the only agriculture company on the list. Our goal is to provide premium quality products that are respectful of nature, innovative, and produced with patented technologies to Turkish and global farmers. We have achieved this goal in a short period of time and are constantly expanding our target and capacity with new investments.

Uniba Agriculture has made significant progress in closing the gap in the agriculture industry. Can you please provide information about your services?

Uniba Agriculture is cognizant of the weighty responsibility it has assumed. Our ultimate objective is to establish ourselves as a pre-eminent agricultural company, renowned both within Türkiye and on the global

stage, for our exceptional plant nutrition products and plant development regulators developed to nourish plants in a manner that maximizes their efficiency per unit area while minimizing resource utilization and avoiding any harms on ecological balance. To this end, sustainability is one of our topmost priorities, and we place a premium on effectiveness in all our undertakings. Our activities are not mere imitations of the industry standards but rather are infused with a steady stream of innovation.

“In our production department, we employ state-of-the-art production and filling machines, which we update regularly.”

Do you keep up with the latest technological innovations? What kind of activities do you perform in this regard?

Our factory boasts its own

laboratory and R&D team, and we engage in genuine activities that follow global innovation standards. In our production department, we employ state-of-the-art production and filling machines, which we update regularly. Our factory produces EDDHA-chelated microgranule iron, which is highly significant for both Türkiye and the world, with a Spray Dryer system that was installed two years ago. Uniba Agriculture is also a leading producer of microgranule chelated iron, one of the first and foremost in Türkiye. We are proud to manufacture a product that is imported by almost every fertilizer company in our own factory and to address an important deficiency in our national agriculture and exporting a product that is typically imported. We use the SCADA system to monitor all stages of production with high efficiency. Additionally, we work with automation systems that minimize errors to make our capacity more efficient.

What kind of team does Uniba Agriculture use? How important is building a good team in this industry?

Our team comprises skilled, experienced, and accomplished professionals who are continuously advancing their targets and capabilities while growing simultaneously. We value in-company training and innovative approaches. Every unit of our company is entrusted to our expert associates. I strongly believe in the power of teamwork and the ability of a harmonized team to carry the company toward success with firm steps. Our sector is dynamic, and the agricultural industry, in particular, is constantly growing with the greatest number of human sources in Türkiye. Therefore, companies with harmonized teamwork can also become dynamic as a whole.

“GROWTECH. ANTALYA is of great importance to promote the agricultural assets of our country and Antalya.”

What significance does the 22nd Growtech event hold for Antalya and Türkiye?

Agricultural exhibitions are organized in many provinces and districts throughout Türkiye, but they often remain narrow in scope and fail to serve their intended purpose. However, the Growtech Fair has been held for a long time and is constantly evolving, making it a popular attraction both domestically and internationally. It is of great importance to promote the agricultural assets of our country and Antalya. Our company operates both nationally and internationally, and therefore the fair is a crucial event to ensure our activities reach the target markets.

As a matter of fact, our country is distinguished as an agricultural country. How would you compare our country's position globally?

Our country's importance in the world has been increasing rapidly due to its vast

agricultural land assets, the large number of people involved in farming, and the effective efforts of sector representatives in recent years. There are several advantages to our country's location, such as being a bridge between Europe and Asia, having the ability to grow numerous agricultural products in various regions, and providing easy access to many locations around the world. Our country has the potential to become a global leader in agriculture if we implement more balanced and planned activities, identify specific agricultural basins, develop a cooperative system, and increase support for the agricultural industry.

What are the objectives of Uniba Agriculture for the upcoming day, and Where do you plan to reach them?

As stated at the outset, Uniba's objective is to establish itself as an agricultural company that achieves recognition both in Türkiye and in the global market through the development of specialized plant nutrition products and plant development organizers that are developed to nourish the plant. Our commitment to this objective is evident in our increasing investments, which are guided by the latest technological advancements and the use of agricultural technologies. In real terms, we operate on a production-driven basis, with a focus on manufacturing and exporting products that are typically imported by the entire industry, and we diversify all our activities each passing day. Our diverse range of activities sets an example for other companies operating in similar business lines, and we believe that knowledge is power, which grows when shared. Our success in achieving our targets motivates us to set new and improved goals for the future. Uniba Agriculture is poised to become one of the world's leading agricultural companies in the near future. We have complete faith in this vision. My team and I are determined to contribute to the growth and development of Turkish agriculture and our industry.



TOBB



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**Special
Biostimulant &
Fertilizer
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**PRODUCER OF
IRON EDDHA**

**PRODUCER OF
POTASSIUM HUMATE**



**WE ARE THE WINNER OF THE
INNOVATION AWARD
IN THE ATSO GROWTECH
PLANT NUTRITION CATEGORY**



www.uniba.com.tr

RIBA EXCLUSIVE

“We Have Already Exceeded the Boundaries of Antalya”

Riba Exclusive has been taking significant strides in the sector to provide its clients with a world of privileges. Currently, the company is expanding its service network beyond the confines of Antalya to broaden its reach. During an interview with Ali Rıza Günal, the company's owner, he shared insightful information about the sector and elucidated the zoning of farming areas for construction.

Hello, Mr. Ali Rıza. Riba Exclusive is one of the leading companies in the real estate sector. I would like to inquire about your perspective on the practice of rezoning agricultural lands for urban development.

Hello, and thank you for your question. Before I answer, I would like to remind you that I am also an Agricultural Engineer. Farming areas are of vital importance to our country. It is essential to produce food without being dependent on foreign sources to become a self-sufficient country. Antalya is considered the capital of agriculture in our country. However, it is also a popular city for immigration due to its global appeal. As a result, the demand for housing is increasingly rising. It is critical to integrate non-arable lands into rezoning plans over time. We are seeing this trend frequently in Antalya as the city continues to grow.

“Altıntaş is a recently zoned region for housing with great potential for profit, offering numerous opportunities for investors.”

What are your company's efforts in this regard? What services does Riba Exclusive offer to its clients?

Altıntaş is a recently zoned region for housing with great potential for profit, offering numerous opportunities for investors. As this region sets an example, neighboring districts are also becoming increasingly appreciated. Our office is committed to providing reasonable investment options to our clients with the help of our expert consultants.

As the cities expand and the population grows, farmlands are



often rezoned for construction. What impact does this have on real estate?

Antalya has almost reached its limits, especially in the western region. On the other hand, there is still production in Altıntaş and the surrounding area in the east, which is still in demand despite the shrinking market. Considering the fact that Antalya is a rapidly growing city that is on track to become a metropolitan area due to both local and foreign demands in the near future, it is crucial for

Antalya to adopt a more balanced pricing policy for those areas designated for construction, to ensure that the supply meets the demand, and to execute these actions in a planned manner.

What kind of acquisitions do investors and buyers gain in regard to zoning farming lands for construction? What are the environmental and social benefits of these projects?

While lands in the status of a field, vineyard, or

garden are more affordable than a flat price at the investment stage, it is a simple matter that investment after zoning yields multiple flats.

“Agriculture is a major industry in Antalya, with strong exports to numerous countries across the world, and it is also home to several big companies.”

In your opinion, how can the agriculture and real estate sectors cooperate more closely? How could the cooperation between these sectors be fostered?

Agriculture is a major industry in Antalya, with strong exports to numerous countries across the world, and it is also home to several big companies, many of which are involved in construction and real estate. In fact, we have common business relationships with some of these companies, and we strive to make these relationships stronger. This is one of the reasons that we exhibit at the Growtech fair.

As Riba Exclusive, you are constantly achieving new heights in your industry. How would you describe your unique position in the sector?

Riba Exclusive is a target-driven, specialized real estate agency with a team of 50 professionals dedicated to providing exceptional services to its clients.

When we are counting down to 2024, how was this year for you? Have you started preparations for the new year?

Exclusive Professionals has successfully delivered very special properties to their new owners. Our services have extended beyond the boundaries of Antalya, and in the coming year, we plan to expand our real estate business into international markets. We would love to meet with you over a cup of coffee. With all due respect.

Ümit Mirza Çavuşoğlu, the Chairman of the Board of the Western Mediterranean Exporters' Union (BAİB), emphasized that **GROWTECH. ANTALYA** is more than just an exhibition but also a significant contributor to the promotion of Antalya for foreign guests attending the fair.



top destinations for exports this year?

Our union has made significant contributions to the national economy this year, as in previous years. Our exports span across 27 sectors, from agriculture to mining, chemistry, and forestry products. Currently, our exports have surpassed 2 billion dollars, with plans to exceed 2.5 billion dollars by the end of the year. The top five countries we export to are China, with a total of 177.7 billion dollars, followed by Germany, with 175.8 billion dollars; Russia, with 160.5 billion dollars; Ukraine, with 94.1 billion dollars; and finally, the USA, with 85 billion dollars.

Could you provide us with information on BAİB's plans to increase exports while getting prepared for the upcoming year?

Our union is taking a series of initiatives to boost exports. The most important efforts include sectoral trade delegations abroad, attending foreign exhibitions, and a procurement committee program. We export to several countries in our region, and our goal is to increase our presence in the existing markets as well as develop those in the countries to which we export the least. Our exports are mainly focused on countries within 3600 kilometers, but we aim to expand beyond this distance. We also plan to focus on those countries within such 3600 kilometers where we have less market share. Starting from the end of this year, we will accelerate our activities in the new year. We hereby would like to invite our members to participate in sectoral trade delegations for export expeditions.

THE WESTERN MEDITERRANEAN EXPORTERS' UNION **ÜMİT MİRZA ÇAVUŞOĞLU**

“We hold the **GROWTECH. ANTALYA in High Regard, and It Means A lot to Us”**

What is the importance of the 22nd Growtech event for the Western Mediterranean Exporters' Union?

The Growtech exhibition is of significant importance, not solely to the agricultural sector but also to the BAİB. By attending the exhibition, representatives from the sector can showcase their latest products. The Growtech fair serves as a platform for transferring recent technological developments to industry professionals. It is worth noting that most of the exhibitors are members of our union, which naturally includes our companies. In some way, we do exhibit at the fair. In one sense, we debut with a wide range of products. Export figures, which we proudly share with the

public on a monthly and yearly basis, are shaped here. Professionals from all around the world conduct business deals at the Growtech Fair before returning to their countries. This event provides an opportunity to establish export connections, and as a result, we hold the Growtech Fair in high regard, and it means a lot to us. We hereby would like to express our sincere gratitude to all those who contributed to making this event a success.

“Foreign visitors have the opportunity to inspect products, engage in discussions with the owners and directors of the companies, and gather all necessary information”.

In your opinion, what advantages do the parties gain from engaging in discussions with buyers during the Growtech exhibition?

If I were to give a single answer to this question, I would say “increased export opportunities.” Growtech allows foreign companies to witness first-hand that Turkish manufacturers are operating above worldwide standards. They witness the fact that machines produced and developed by Turkish companies are on par with, even better than those in other countries. Foreign visitors have the opportunity to inspect products, engage in discussions with the owners and directors of the companies, and gather all necessary information. They

can also examine the facilities on-site, which further strengthens the trust mechanism. It goes without saying that trust is essential for any successful business, making Growtech's duty of consolidating trust highly significant.

How important is this exhibition for promoting Antalya and Türkiye?

We need to consider promotion in two aspects: Agriculture and tourism. The exhibition showcases the progress achieved in the agricultural sector, demonstrating to the buyers how our country and region have developed in agriculture and are capable of producing world-class products. This fosters business relationships and in summary, contributes

to trade. In terms of tourism, foreign visitors attending the fair will get to experience the Antalya International Airport, luxurious 5-star hotels, and premium service quality. When our natural beauties are added to this, visitors love to visit our country for vacations with their families. That is why Growtech is more than just a fair.

“Our union has made significant contributions to the national economy this year, as in previous years”

What were the recent contributions of the Western Mediterranean Exporters' Union to the national economy? Which countries were the

SUB-UNION OF SEED INDUSTRIALISTS AND PRODUCERS

YILDIRAY
GENÇER

Yıldırım GENÇER, the President of the Sub-Union of Seed Industrialists and Producers (TSÜAB) and ECOSA, emphasized the significant advancements in the Turkish seed growing sector and stated that the Turkish Seed industry aims to produce 1.5 million tons of certificated seeds in 2023.

“Antalya is undoubtedly one of our most significant agricultural locations.”

What significance does the 22nd Growtech event hold for the Sub-Union of Seed Industrialists and Producers?

We are delighted to have the opportunity to collaborate with the Growtech event, which is of great significance

to the Turkish Seed Sector due to its exceptional exhibitors and visitors. This event provides a platform for our seed companies to engage with professional stakeholders and international companies, particularly for those seeking to establish export connections.

“Seed serves as a golden key in ensuring high-quality production and is a fundamental input in vegetable production.”

Could you share your thoughts on how this fair would impact Antalya and Türkiye?

es as a golden key in ensuring high-quality production and is a fundamental input in vegetable production. The Turkish seed industry has made significant strides in recent years, with notable improvements in both production and export volumes over the past decade. This sector has transformed into a net exporter, with seed exports worth 250 million dollars.

In 2022, the Turkish Seed Sector produced 1 million 361 thousand tons of certified seeds, and it now has a target of producing 1.5 million tons of certified seeds by 2023.

Could you please provide information about the benefits that Growtech offers to the agriculture industry?

TSÜAB is an organization with over a thousand members actively involved in seed growing.

Among these members, 110 of them are based in Antalya and specialize in producing vegetable seeds. Furthermore, Antalya is home to 210 companies that specialize in producing vegetable seedlings.

In the year 2022, these companies managed to produce an impressive 1.43 billion vegetable seedlings and 218 tons of standard and hybrid vegetable seeds. The economic value of the seed produced by these companies amounted to 2.3 billion TL.

What was Antalya's share of exports in seed trading, and how did it perform in 2023?

Antalya is undoubtedly one of our most significant agricultural locations. In the year 2022, Antalya marked a major milestone as it emerged as the top vegetable producer in the country with a production value of 19.3 billion TL, with its total vegetable production reaching an impressive 4 million 900 thousand tons.

Antalya is the main producer of greenhouse crops in Türkiye, with 60% of tomatoes, 63% of peppers, 51% of eggplants, and 42% of lettuce grown there. The Growtech Fair is a highly-anticipated event held in Antalya that plays a key role in ensuring food security. The fair serves as a platform for farmers to explore modern production systems and new-generation plant nutrition methods and to become acquainted with emerging plant varieties.

Growtech is one of the most successful events in

our country and attracts a large number of visitors, which also contributes to the local economy.

Could you please tell us about your plans as TSÜAB for Growtech?

We will be attending the Growtech fair at our company booth for the third time this year, following the demand from our members at TSÜAB. Our company booth will serve as a hub for company representatives, farmers, press members, and foreign guests. The fair will provide an opportunity for

business meetings and initiatives, which will be reflected in the press, and we are thrilled to be a part of it.

As a union, we recognize the significance of engaging with the backbone of the production, the farmers, during the fair and will have the chance to convey the facts about seeds, in particular, to non-industry visitors.

We extend our best wishes for the success of this important fair in our country and industry. We invite all our citizens to attend Growtech this year.



AG TOHUM;

"GROWTECH. ANTALYA is now the Most Important Agricultural Fair Not Only in the Middle East

AG Seed provides services to the sector with a large-scale and experienced team, and comes to fore as a company with avantgarde, innovative, extraordinary approaches. In the interview held with Mesut Nar, we have had the chance to closely familiarize ourselves with AG Seed and talked about its contributions to the Turkish Agriculture.



TECHNICAL MANAGER
MESUT NAR

What are AG Seed's spheres of activity in the sector?

Founded in 2007 in Antalya, AG Seed is a private R&D institution that holds a longstanding past and tradition. Its only sphere of activity is seeds and provides products and services to the sector with the help of a large and experienced staff.

Could you please provide us information on your contributions to the sector in respect of ToBRFV?

The ToBRFV virus is a hazardous virus disease reported first in Israel in the year 2014, and then in Jordan in 2015. It was reported in 2019 in our country and by 2023 we unfortunately see it in every region where tomatoes are cultivated. As from 2015, our company has allocated intensive time and budget to the resilience efforts and shared in 2019 with the public opinion that it acquired species with high resilience (HR). We are also proud of receiving the authorization to produce our first ever commercial species in 2022 and bringing these species to our customers.

What benefits do you provide to Turkish agriculture?

AG Seed has adopted the corporate mission of growing vegetable seeds with a high disease resilience and conforming to the consumer demands and rich in nutrients and vitamins. We are continuously familiarizing ourselves with domestic and international sources and endeavoring to introduce qualified products to the Turkish agriculture. We also cooperate with Turkish universities and develop projects for TUBITAK. Our goal is to ensure that AG Seed generates innovative and unusual industrial approaches and conducting its overall work with the help of a young and dynamic team.

Which goals has your company set?

Our priority was to accomplish innovative works in the domestic market. We have already achieved this partially and we carry on with our efforts to achieve this goal. Our team works in the realms of Vertical Farming and specialty products. In the recent registration period, we have even received

a production authorization to produce 9 different species of peppers in pot. We also aim at producing species of aromatic plants and tomatoes as part of modern farming and make sure our customers access these products in the market.

What does Growtech mean for AG Seed?

We consider Growtech as a window of Antalya opening to the entire world. Growtech is currently the most important agricultural fair in the Middle East and even throughout Europe and has turned into a center of attraction. It is a meeting point for several domestic and international industrial stakeholders. In this respect, we consider Growtech as a meeting point where we can create the right connections. Growtech Fair has an important contribution in respect of promoting the city and the country and has another advantage of setting the stage for the Turkish farmers for getting to know the global agricultural developments and novelties in both a rapid and affective manner.



ENZA ZADEN
HR ToBRFV ÇEŞİTLERİ

STANDART DAYANIKLI
OLMAYAN ÇEŞİTLER

Yüksek Direncin
ToBRFV'nin
yayılmasını sınırladığı
kanıtlanmıştır.



DİRENÇSİZ



ORTA DİRENÇLİ (İR)



YÜKSEK DİRENÇLİ (HR)

Tarım sektörü, Cumhuriyetimizin kuruluşundan günümüze kadar, ülkemizin ekonomik ve sosyal gelişmesinde çok önemli görevler üstlenmiş ve bu görevini günümüze kadar sürdürmüştür.

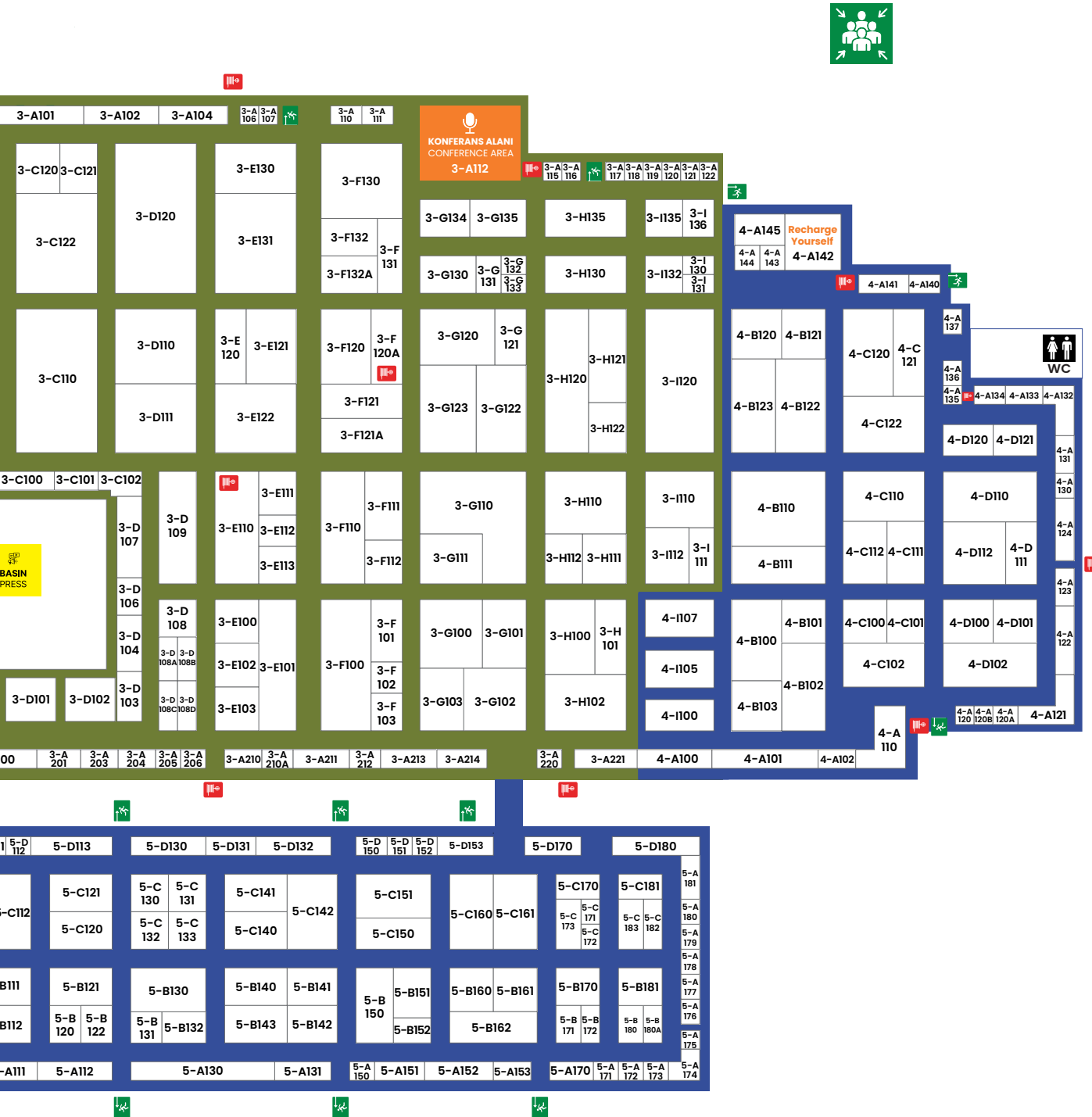
AG Tohum-Enza Zaden ailesi olarak, Cumhuriyetimizin 100. Yılında ToBRFV virüsüne HR dayanımlı ilk çeşidini üreticilerimizin beğenisine sunuyoruz.

Sektörümüzü ileriye taşıyan adımların daimi öncüsü ve eşlikçisi olmaktan mutluluk duyuyoruz.

GROWTECH. ANTALYA



FLOOR PLAN



INFO HUB



FIRE CABINET



CLOAKROOM



RESTAURANT



EMERGENCY EXIT



PRESS



WC



EMERGENCY MEETING POINT



CONFERENCE AREA



GROWTECH.
ANTALYA

HALL 1 Greenhouse & Irrigation Equipment

ABDİOĞULLARI PLASTİK	1-F120	İŞIK PLASTİK	1-D120
ACAR-MAK-SAN	1-D132	İSTANBUL SERA PLASTİK	1-G101
ADRITEC GROUP INTERNATIONAL	1-F108	İZMİR ATEŞ PLASTİK	1-F102
AGROBIOLOGY	1-C100	KALYON FİLTRE	1-E122
AGROCHEM	1-C105	KARBİR PLASTİK	1-D122
AGROLUX NEDERLAND B.V.	1-A115	KIMITEC	1-C103
AKPLAS PLASTİK	1-E132	KIMPACK	1-G110
AKTAŞ PLASTİK	1-F109	LA SEMIORTO SEMENTİ	1-A135
ALCOMIJ	1-D110-B	LUCKY AGRO SRL	1-D131-A
ANSA AMBALAJ	1-A104	LUDVIG SVENSSON	1-A116-A
ANTALYA HASAT PLASTİK	1-B111	MAFA	1-A106
AŞIYAN BARAN TARIM	1-F123	METAŞ SERACILIK	1-E101
ASTHOR	1-A110-A	METEOR SYSTEMS BV	1-D110-D
ATLANTIC MAN. SRL	1-A103	METOS TR BİLİŞİM	1-F107
ATLANTİS MÜHENDİSLİK	1-D100	MET-SAN TARIM ALETLERİ	1-G111
AVEPLAST SULAMA	1-A101	MST HOLLAND	1-E111
AYS PROJE	1-F112	NOR ELEKTRONİK	1-E103
BAHAR AYDINLATMA	1-A138	NOVAGRIC	1-C102
BC FERTİLİS	1-A106-A	NPI	1-A122
BEREKET PLASTİK	1-E131	ONUR PLAST	1-E100
BETA FİDAN	1-G111-B	ÖZDEMİR REDÜKTÖR	1-F100
BETA SULAMA	1-G111-A	ÖZ-KA VAKUM PLASTİK	1-A113
BG GLOBAL TARIM ÜRÜNLERİ	1-D110-E	P.TRE GREENLINE	1-F105
BİZCANLI REDÜKTÖR	1-E102	PATRON AGRI SYSTEMS	1-A125
BOM GROUP	1-A123	PHORMIUM	1-A108
BOTANİKA	1-F106	PLASTEXTİL	1-C101
BRINKMAN TARIM	1-E110	POELSAN PLASTİK	1-G100
ÇELİK HORTUM	1-E133	PRINS GROUP	1-D110-G
COCOGREEN TARIM	1-F104	RICHEL	1-E124
CRAVO EQUIPMENT LTD.	1-A105	RİTAŞ KİMYA	1-A137
DAĞDELEN SERA SULAMA	1-F101	RUFEPÄ	1-C104
DALSEM GREENHOUSE PROJECTS BV	1-A117	SAUDI AGRICULTURE	1-A111
DASA	1-D103	SEMKA PLASTİK	1-A109
DEBETS SCHALKE BV	1-A133	SENKRON PLASTİK	1-E120
DEKA BORU	1-A126	SEPAŞ PLASTİK KİMYA	1-F11
DUTCH PLANTIN	1-A116-B	SERA MARKETİM	1-C110
DÜMMEN ORANGE	1-D110-C	SERATEK SERA	1-F110
DÜZGÜNLER PLASTİK	1-B100	SERİNOVA PLASTİK	1-D104
EMİNEL TARIM A.Ş.	1-A132	SERKONDER	1-A112
ERFGOED	1-A124-A	SERTSAN MAKİNA	1-D101
ETHA MÜHENDİSLİK	1-A131	SOYLU İPLİK	1-B112
FERVALLÉ	1-A110	SPRING POLİMER	1-B101
GEOFLOW	1-E121	TAKS	1-A121
GEROVIT DOO	1-A130	TARTES TARIM	1-A102
GREENAGRO	1-D110-F	TAŞKENT GREENHOUSE	1-A132-A
GREENTECH	1-A139	TEKNOSER	1-E130
GROW GROUP AZERBAIJAN	1-A134	TEKPAR PLASTİK	1-B110
GÜLSAN - GÜLİP	1-F113	TİMFÖG	1-D111
HALUK ATAMAL TARIM	1-E123	ULMA	1-C106
HAS SENTETİK DOKUMA	1-F121	UNİVERSAL DRIP IRRIGATION PIPE MANUFACTURING	1-A136
HEFE	1-A106-B	VAN DER VALK HORTI SYSTEMS	1-A118
HORTI PROJECTS HOLLAND	1-A120	VARNET CAM SERA SİSTEMLERİ	1-D121
HORTILUX SCHREDER	1-D110-A	VATAN PLASTİK	1-G102
HORTİPRO	1-A124-B	VERDE PLASTİK ÜRÜNLER	1-D102
IJAN SERA SİSTEMLERİ	1-D130	VURAL PLASTİK	1-G112
İHSAN TÜRKELİ	1-A114	YILDIZLAR OTOMOTİV	1-A100
İNCİ PLASTİK	1-F122		

HALL 2 Seed & Plant

AD-ROSSEN TARIM	2-B113	LUBİNG	2-C120-K
AG TOHUM	2-A111	MAIROL	2-C120-I
AGROBEST GRUP	2-B112	MALATYA SENTETİK	2-A134
AGROMİLLORA FİDAN	2-D111	MANİER TOHUMCULUK	2-A100
ANTALYA SUBSTRAT	2-C111	MARGEHT	2-D101
ASGEN TARIM	2-A112	MARS AGRO PLANT	2-B131
ATA FİDANCILIK	2-B111	MAY-AGRO TOHUMCULUK	2-A101
BAKKER BROTHERS	2-A122	MAYER	2-C120-L
BAYRAM TOHUM	2-B101	MENNO CHEMIE	2-C120-H
BİOTEK TARIM ÜRÜNLERİ	2-B102	MESSE ESSEN	2-C120-C
BURSA TOHUMCULUK	2-A120	MİKROSERÄ TARIM	2-D113
CNC AMBALAJ	2-A135	MTN TOHUM	2-C110
DEMİRİYAK MAKİNE	2-D103	MUSTAFA GÖK KAĞIT	2-A133
DEMİREL KARDEŞLER FİDANCILIK	2-B111-A	NEUFARM EURO PLENTY	2-C112
DEVTAŞ AYMUZ	2-B132	NOMAD TARIM	2-D114
DURAK PLASTİK	2-A130	OTTE METALLBAU	2-C120-J
EKONET TEKSTİL	2-C133	PANÇ FİDANCILIK	2-A131
ELMA TARIM	2-C101	PARLAR FİDAN	2-B103
ERGENE FİDANCILIK	2-D105	PAYKOÇ	2-B110
FELIXPER	2-C120-F	PİDOK PLASTİK	2-A110
FIRST GENE SEEDS	2-D104	PLANTKO ÇİLEK FİDESİ	2-D106
GÜLDEM SOĞUTMA	2-D102	PULSFOG	2-C120-G
HUMİNTECH	2-C120-E	REIMANN	2-C120-M
IEC INTER EXPO CONSULT GMBH	2-C120-A	SAFİR BERRY	2-C130
İKLİM BAHÇE KÜLTÜRLERİ	2-D112	SAYGI FİDANCILIK	2-D118
INTERNATIONAL GREENHOUSE GUIDE	2-D103-A	SEDAT DERELİ FİDANCILIK	2-B130
İRGELER TARIM ÜRÜNLERİ	2-C100	SERA TROPİKAL	2-D116
İSPARTA FİDANCILIK	2-B100	ST TARIM	2-D107
KAFKAS TOHUM	2-D100	STEP SYSTEMS	2-C120-D
KRASS GLASCON	2-C120-B	TAŞPINAR	2-C131
KUTLU FİDANCILIK	2-D110	TİTİZ AGRO GRUP	2-C102
KUYUCU SERA	2-C132	TROYA TOHUM - TROYA SEEDS	2-A111-B
LİVAGRO TOHUMCULUK	2-A132	UR-SA PLASTİK	2-A121
LOCK	2-C120-N	YARA ZADEN COMPANY	2-B120

HALL 3 Plant Nutrition & Plant Protection

2MBIO CO.,LTD	3-A210
ADAFER GÜBRE	3-H112
ADAGA GIDA	3-G101
ADAGRO ZİRAİ İLAÇ	3-F131
AGRI SCIENCES	3-H110
AGRIKAL TARIM	3-E121
AGRIKEM ZİRAAT İLAÇLARI	3-C122
AGRO GLOB	3-F112
AGROTAN TOHUMCULUK	3-B102
AGROTECH TARIM	3-H101
AGROW ALLIED VENTURES	3-A210-A
AGROWORK	3-B110
AKDEM TARIM	3-D103
ALANFAL FERT. INDUSTRY CO.	3-D108
ALKALTHOUM AGRICULTURAL CO	3-H102
ANTALYA İL TARIM VE ORMAN MÜDÜRLÜĞÜ	3-B103
ANTBIO TARIM	3-B112
ANTILSAN ANTALYA	3-C121
ANTPAŞ TARIM	3-A211
ARDENT PLASTİK	3-I110
ARENA TORF TARIM	3-G102
AS İLAÇ - ASYEM - BROFAR	3-A210
ASIA SÉED	3-A116
ASTRANOVA TARIM	3-G122
ATKINZ GROUP	3-H100
AYDINLAR MADENCİLİK - NİF ORGANİK	3-G134
BEIJING LEILI	3-F120-A
BİOBEST ANTALYA A.Ş.	3-C120
BİOGREEN TARIM	3-G121
BKS BİYOLOJİK KORUMA	3-A101
BRANDT EUROPE SL	3-B111
BURSA FİDANCILIK	3-B100
CANDEM GÜBRE	3-D100
CEON KİMYA	3-G100
CEYLAN LİMAN	3-H122
DAE YANG CORPORATION	3-A117
DEMPO GIDA AMBALAJ	3-I112
DENGE TARIM	3-H135
DOF	3-A121
DOĞAL KİMYEVİ MADDELER	3-G135
DOĞATECH ARAŞTIRMA GELİŞTİRME	3-E130
DOĞER KİMYA	3-E101
DOKTOR TARSA TARIM	3-C110
FORGANİK TARIM	3-E122
EKİN TARIM TİCARET	3-F120
ENTOSAV	3-H120
ETİ GÜBRE A.Ş.	3-C102
EUROFERT GÜBRE	3-D109
EVERGROW FOR SPECIALITY FERTILIZERS	3-I135
FERTINAGRO	3-H111
FUZHOU ARTHAS	3-D108-D
GREEN PLANT	3-D104
GRUPO ATLANTICA	3-E111
GRUPO ATLANTICA	3-E112
GULF AGRICULTURE	3-A100
GÜBRE ÜRETİCİLERİ İTHALATÇILARI VE İHRACATÇILARI DER.	3-A106
GÜZELOVA TARIM	3-D100
HAİFA TARIM	3-G110
HAYLEYS FİBRE PLC	3-A204
HEKAGRO SOLUTIONS	3-F110
HEKTAŞ	3-D120
HELPER ROBOTECH	3-A122
HEROĞRA	3-D106

HALL 4 Greenhouse & Irrigation Equipment

AGRI VENTURES FZE	4-A136
AGRODRIP SULAMA SİSTEMLERİ	4-I100
AK PALAPLAST	4-D111
AKONA	4-B102
ANTALYA TEKNOKENT	4-A143
ANTALYA TİCARET VE SANAYİ ODASI	4-A145
AQUA4D	4-A122
ARILI PLASTİK / PIPELİFE	4-B123
ARMAŞ SU ARMATÜRLERİ	4-I107
ARRİGONİ	4-A120-B
AYTOK FİLTRE	4-C112
AZUD	4-A124
BASUSAD	4-C101
BKV VANA MAKİNA	4-A141
BOĞAZIÇI ENDÜSTRİYEL	4-A134
CANSU PLASTİK	4-D112
CROPSAFE PESTICIDES	4-A135
DERYA SULAMA MALZEMELERİ	4-C111
DRİPPRO	4-A102
ERHAS SULAMA SİSTEMLERİ	4-C110
EUROTAR	4-D110
FIRTINA DAMLA SULAMA	4-D101
GRAFİK SULAMA	4-B103
HORIZON PLASTİK KİMYA	4-A140
İMECE PLASTİK	4-C120
IRRİTEC SPA	4-A120
İSKO PLASTİK VE KALIP	4-C102
LAINCO	4-A132

FOYER

ADA FİDE	F-06
AGRO TV	S-01
BİTKİ İSLAHCILARI ALT BİRLİĞİ	F-01
CORASEEDS	F-05
ECOSA	F-01
FİDAN ÜRETİCİLERİ ALT BİRLİĞİ	F-01
FİDE ÜRETİCİLERİ ALT BİRLİĞİ	F-01
GARDEN NATURA	F-08

EXHIBITORS

HALL 3 Plant Nutrition & Plant Protection

HYOSUNG ONB	3-A119
İGSAŞ	3-I120
İKAR LIQUID FERTILIZERS	3-A110
INNOCAP	3-D101
INNOCHEM	3-G111
IPL BIOLOGICALS	3-I131
İSKENDERUN GÜBRE	3-F132
JORDAN INSECTICIDES & AGRO-TREATMENT MAN	3-F102
KAFR ELZAYAT	3-E102
KAPAR ORGANİK TARIM	3-A111
KONFERANS ALANI / CONFERENCE AREA	3-A112
KOPPERT	3-B101
KORUMA KLOR	3-G123
KÜTAHYA KİMYA	3-F101
KÜTAHYA TARIM	3-G133
LENA	3-E100
META AGRI	3-I130
MINORGANIC	3-D102
MİRAGRO KİMYA	3-A214
MK AGRICULTURE USA	3-A220
MKG	3-G130
MODERN COMPANY FOR FERTILIZER PRODUCTION	3-E103
MOVETCO	3-E113
MR INNOVATION	3-A120
MUGAVERO S.P.A	3-F130
NANOFARM KİMYA-VİTA TARIM	3-H121
NASR GROUP	3-F111
NCCM	3-D108-C
NOUSBO	3-A118
NUTRA-PARK CO. LTD	3-C101
ODUS	3-A115
OFAS	3-A102
OLIMPUM	3-E110
OMEX AGRIFLUIDS LIMITED	3-A203
ÖZAY GROUP TARIM	3-C100
PELGAR INTERNATIONAL LTD	3-A205
PRABHAT FERTILIZER & CHEMICAL WORKS	3-A212
PROPLENTY / TAKAVCI TARIM A.Ş.	3-H130
PULCU TARIM İLAÇLARI	3-F121-A
RNZ GROUP	3-A107
ROBINA FOR FERTILIZERS	3-G132
SAFA TARIM	3-E131
SAVILERA	3-G131
SOLUFERT	3-F132-A
SPAGRO SRL	3-F103
STOLLER TURKEY	3-D111
SULFERT KİMYA	3-E120
SUNBURST	3-D108-B
SÜPERSOL BİYOTEKNOLOJİ	3-G103
SUSTAINABLE AGRO SOLUTIONS SAU	3-A200
SYMBORG TURKEY	3-D111
SYNGENTA BIOLOGICALS	3-G120
TARAZONA	3-I132
TARBİM CORP	3-D107
TAYFUR SU SİSTEMLERİ	3-A221
TİBA	3-A104
TOPRAQ TARIM TEKNOLOJİLERİ	3-A213
TÜRKİYE İŞ BANKASI	3-I111
UFUK TARIM	3-I136
UNİBA TARIM	3-F100
UNİKEYTERRA KİMYA TARIM	3-F121
VAİSER TARIM TEKNOLOJİLERİ	3-A201
YONGOR	3-D108-A

HALL 4 Greenhouse & Irrigation Equipment

MERCOM PLASTİK	4-A137
NATURLAND	4-A133
NETAFİM TÜRKİYE	4-B110
ONG PLASTİK	4-A123
ÖZDOĞAN PLAST	4-C100
PANPLAST SULAMA	4-B111
PİLTAR PLASTİK	4-D102
PİMTAŞ PLASTİK	4-D100
PM GRÜP SULAMA SİSTEMLERİ	4-B101
RECHARGE YOURSELF AREA	4-A142
RIVILUIS SULAMA SİSTEMLERİ	4-B100
RKD	4-A131
SANCAK PLASTİK	4-I105
SARITAŞ YAPI MALZEMELERİ	4-D121
SELAGRO	4-A130
SEZER TARIM	4-A110
SGS SULAMA	4-B120
SHAMS MAGAZINE	4-A144
ŞİMŞEK PLASTİK	4-B122
ŞTAİR DERİ	4-D120
STF	4-C122
TARGE	4-A101
TECNIDRO SRL	4-A120-A
TURAN MAKİNA	4-A121
ÜZÜMCÜ PLASTİK	4-B121
YULUĞ MÜHENDİSLİK	4-A100
YÜZÜAK MAKİNE	4-C121

GÜNEY AGRIPARK	F-03
PETEKAR TOHUM	F-04
RİTO TOHUMCULUK	F-03-A
TETA TOHUMCULUK	F-07
TOHUM DAĞITICILARI ALT BİRLİĞİ	F-01
TOHUM SANAYİCİLERİ VE ÜRETİCİLERİ ALT BİRLİĞİ	F-01
TOHUM YETİŞTİRİCİLERİ ALT BİRLİĞİ	F-01
TÜRKTOB-TÜRKİYE TOHUMCULAR BİRLİĞİ	F-01

HALL 5 Greenhouse & Irrigation Equipment

A.O. SMITH	5-C110
AGRIKON SULAMA	5-B142
AKKON PLAST	5-C150
AKNUR SULAMA	5-B131
AKPLAS KAUÇUK	5-D112
AKSOYLAR	5-C130
ANKARA SARILAR İNŞAAT	5-A131
ARC SU ARITMA	5-B100
ARKENS HORTICULTURE TECHNOLOGIES	5-A109
ARSANMAK MAKİNA	5-C161
ASİAFİLT SULAMA	5-B140
ASYA MODERN	5-C160
AZİZ BORU	5-B161
BAKIM PLASTİK	5-B141
BEŞEL KALIP	5-A100
BHK GREENHOUSE	5-B151
BOLİŞ PLASTİK	5-B102
BOLLU PLASTİK	5-C140
ÇE-KA METAL	5-D101
CHENGYUAN	5-C171
CHICO	5-A171
CHINADRIP	5-A178
CMF PLASTİK	5-B181
DENİZBANK	5-A151
DFC MAKİNE	5-A130
DOĞUŞ VANA VE DÖKÜM	5-D130
DRIPLANTİS	5-B162
DUSA MAKİNA	5-D152
EGEBORU PLASTİK	5-C133
ELİF SERA OTOMASYON	5-A111
ENORPA	5-D100
ERGÜVEN EL ALETLERİ	5-D131
ERSUSAN PLASTİK	5-C121
ESKA PLAST PLASTİK	5-B152
EVAPOR SOĞUTMA SİSTEMLERİ	5-A153
FC PLAST	5-B132
GENÇ GÜÇSAN	5-B110
GOOD AĞRI SOILLESS SOIL	5-A108
GREENRIVER INDUSTRIES CO.	5-A170
GÜNEYSU TEKNİK	5-C183
GÜNSA MAKİNA	5-C112
GÜVEN BORU	5-C102
HİMA PLASTIC	5-B170
İKİZLER KALIP	5-B101
İLERİ PLASTİK	5-C141
İLK MEGA TARIM	5-B121
İLPOSAN İLAÇLAMA	5-B122
İMPO MOTOR POMPA	5-B130
İNVAKO	5-A112

JETPLAST SULAMA SİSTEMLERİ	5-B111
JINGFENG TIANTAI	5-A176
KASBO BORU PLASTİK	5-B171
KAVAKLI PLASTİK	5-D153
KAYBORSAN PLASTİK	5-C132
KONDRIP	5-B143
KS GREENHOUSE	5-C181
KS GREENHOUSE	5-D180
LAUREN	5-C172
LİSENT	5-A174
MAYSAN PLASTİK	5-B160
MESS FİLTRE	5-B150
METALMAK	5-C101
MRS FİLTRE DAMLA SULAMA	5-A152
NANSAN SULAMA SİSTEMLERİ	5-C131
NEFA SERA TEKNOLOJİLERİ	5-B112
NINGBO ONTIME	5-A172
NINGBO MASTER	5-A180
ORSE PLASTİK	5-D110
ÖSC TEKSTİL	5-C142
ÖZKARA	5-A102
PARIKH ENTERPRISES PRIVATE LIMITED	5-A110
PLASTIKA KRİTİS S.A.	5-D113
RAHMET SULAMA SİSTEMLERİ	5-A101
RAINBOW	5-A181
SAYIM PLASTİK	5-D102
SERA TEDARİK	5-C182
SERDRİP	5-C100
SFS FİLTRE DAMLA SULAMA	5-C151
SICHUAN FERTAN AĞRI	5-B180
SICHUAN RUIXIANG AĞRI	5-B180-A
SİNAN PLASTİK	5-C111
SNF WATER SCIENCE	5-B120
SÜRMENE PLASTİK	5-C120
SUV İŞ ELBİSELERİ	5-D151
TAZHOU CHUANGJU	5-A173
TEKNORM PLASTİK	5-A150
TIANJIN FLOURISHING FERTILIZER	5-A177
TMMOB ZİRAAT MÜHENDİSLERİ ODASI ANTALYA	5-B172
TOSPING&VASTLAND	5-C170
TÜRKİYE ZİRAAT ODALARI BİRLİĞİ/MURATPAŞA	5-D132
ULUSU POMPA	5-D150
UNION-AGROCHEM	5-A179
YEĞENLER ELEKTRİK	5-A103
YILBOR BORU	5-D111
YILMAZSAN PLASTİK MAMÜLLERİ	5-D170
YUNNAN YINGFU	5-C173
ZHEJIANG SEGA	5-A175

HALL 6 Greenhouse & Irrigation Equipment / Plant Nutrition & Plant Protection / Seed & Plant

4SEASONS AĞRO	6-A140
A MEDYA / TARIM TR	6-A101-B
AFKO PIVOT IRRIGATION SYSTEMS	6-C103
AGERUO-BIOTECH	6-D146
AGRIEGE TARIM	6-C130
AGRONUA	6-A122
AGROSEM	6-B131
ANATOM BİYOTEKNOLOJİ	6-B100
ANDA	6-D140
APLAS GREENHOUSE FILMS.	6-C122
AR TARIMSAL	6-B101
ARGE SERA TARIM MAKİNA	6-B143
AĞRI YILMAZ	6-B123
AYTAV	6-C132-A
BARKOLOG	6-A145
BEDD	6-A124
BESTLUCK	6-D125
BESTWIN	6-D106
BİMKO KİMYA	6-B140
BİOFERA ORGANİK	6-C121
BOGE	6-D141
BOZZ TARIM ÜRÜNLERİ	6-B124
BRIMSTONE	6-C111
CESURTERM	6-C120
CHANHEN	6-C140-C
CHINA OVERSEAS FERTILIZER	6-D122
CITYMAX CROP SCIENCE	6-B144
COCOLY	6-D101
COCONUT PRODUCTS IMPEX	6-A101
CROWN CHAMPION	6-C140-G
DERYAGRI FİDECİLİK	6-C102
DORA	6-D142-A
EGEPAL PLASTİK	6-A100
ERKİM ÇUVAL AMBALAJ	6-A104
ESSENCE	6-C140-D
EUROPER PERLİT	6-B142
FAREFFECT - TEMASGLOBAL	6-A141
FERTECH	6-D102
FERTSA	6-C133
GENERIC	6-D103
GERRY	6-D105
GI TARIM	6-B141
GLOBAL HAVALANDIRMA	6-A111
GLOBAL MAKİS - WHITE FOG	6-C100
GREENFARM	6-B130
GREENPLAINS	6-D110
GUOQUANG	6-C140-I
HAILIR	6-A125
HANDILONG	6-C140-L
HASTÜRK GÜBRE	6-A110
HİSİGMA	6-A126
HOLLAND HOUSE OF FRUITS	6-B113
HUACHANG	6-C140-P

HUNAN XIANGBEI	6-D100
HZR TEL ÇİT SİSTEMLERİ	6-C112
JIANONG	6-C140-H
JINDA	6-D124
JU AĞRI SCIENCES	6-A120
KANGYUAN	6-C140-N
KD GÜBRE VE ENERJİ	6-B132
KHUMIC	6-C140-M
KING QUENSON	6-C140-A
KRİSTAL AĞRI KİMYA	6-C101
LUQIAO LAMSIN	6-C140-E
MEKOSER GREENHOUSE SYSTEMS	6-B112
METEOR SONDAJ EKİPMAN MAKİNA	6-B122
MONBAND	6-D112
MUTLUSU POMPA	6-B110
NATURSİM	6-D104
NEWYIDA	6-D145
NFERT	6-B114
ORİGAMİ KİMYA	6-C131
PENGFA	6-D120
PEPTECH BIOSCIENCES LIMITED	6-A112
POLİPA	6-B121
PRESMAK	6-B143-A
PROMOSEED BİYOTEKNOLOJİ	6-C123
PUDESONG	6-D123
RIZHENG	6-D144
ROAMTECH	6-A105
ROCCA	6-C140-K
ŞAH BORU ŞAH PIPE	6-B103
ŞANİCA	6-C110
SAVİS PLASTİK	6-A121
SDK SERA	6-B112
SEGOYA PLAST	6-A102
SELÇUKLU POLİMER	6-B111
SHANDONG ARIEL	6-C140-B
SHIJIAZHANG JACKCHEM	6-D100-A
SHOUGUANG GREENTIME AĞRI	6-A123
SICHUAN SPEED	6-D142
SUNAGRI TOHUMCULUK	6-A143
SUPERLİT	6-C132
TERRASTEK LIMITED	6-C140-R
TÜRK ZİRAAT YÜKSEK MÜHENDİSLERİ BİRLİĞİ	6-A144
TÜRKİYE KÖMÜR İŞLETMELERİ KURUMU GENEL MD.	6-A103
ÜSTÜNEL POMPA VE MAKİNE	6-B102
VERBEN TARIM	6-B120
VEYOUNG	6-D111
VIVAMUS TARIM	6-C113
WEIDI BIO	6-C140-F
WONDER LLC.	6-A147
XINCHUANGXIN	6-D121
ZETIAN	6-D113
ZHEJIANG RAYFULL CHEMICALS	6-D143-B
ZHONGNONG ZHONGHE	6-C140-J

“Agriculture Sector Has a Major Importance for Türkiye”

FACULTY OF AGRICULTURE AKDENIZ UNIVERSITY

Prof. Dr. Mustafa Erkan, Dean of the Faculty of Agriculture states that the 22nd GROWTECH. ANTALYA organized this year is an important event and may offer both training and research opportunities as well as career opportunities for the students and undergraduates in the agricultural industry.



What does 22nd Growtech mean for the Faculty of Agriculture at Akdeniz University?

We consider Growtech an institution of education engaged in the Faculty of Agriculture, agriculture, and agronomics;

Training and Research Opportunities: The Growtech Fair provides the students and academicians of the Faculty of Agriculture with the opportunity to probe into the latest developments and novelties in the realm of agriculture technologies, greenhouse management, seed growing, fertilization, plant protection, etc. This may help students keep their education updated and support their research.

Industrial Cooperation: Faculty of Agriculture cooperates with the farmers, agricultural enterprises, and industrial stakeholders and may thus intend to ensure its students gain field experience. The Growtech Fair may offer operation opportunities.

Employment of Undergraduates: The Fair offers job and career opportunities to the graduates of the Faculty of Agriculture. The agricultural industry provides potential employment opportunities to the graduates. The Fair may also offer an opportunity to the students to engage with employers operating in these fields.

Innovation and R&D: The Faculties of Agriculture attaches importance to R&D studies with a view to raising sustainability and efficiency of agriculture. Since the Growtech Fair is a platform exhibiting the agricultural technology innovations, this event may help students and

academicians explore new projects and cooperation opportunities.

As a result;

Growtech may be an important event for the Faculties of Agriculture because it supports agriculture and agronomics and offers training and research opportunities, offers cooperation opportunities, and provides the students and graduates with career opportunities in the industry of agriculture. For that reason, the Faculties of Agriculture may also consider such fairs as a way of contributing to the development of students and academicians.

In your point of view, what importance does the Growtech Fair bear for Antalya and Türkiye?

The Growtech Fair is an important event organized to promote the growth of agriculture and greenhouse industry and display the innovations in the sector. This Fair held in Antalya bears major importance for Türkiye and across the world both for the agriculture and greenhouse industries. Regarding the importance of this Fair:

International Participation: The Growtech Fair is not only a large event gathering the agriculture and greenhouse professionals from around the world but also serves as a platform for gathering the participants to explore new products, learn about the latest developments in the sector and to create networks.

Innovation and Technology: The Growtech Fair provides the opportunity to exhibit the state-of-the-art technologies and innovations in the realm

of agriculture and greenhouse industry and also ensures that producers may explore more efficient and profitable agricultural practices.

Training and Information Sharing: The Fair holds seminars, panels, and training activities for the sector and the professionals. This helps the participants learn about the latest trends and best practices in the sector.

Trading Opportunities: The Fair has the potential not only to create new jobs for the participants and to enhance existing trading relations but also to conduct major research amidst the producers and suppliers of agricultural equipment, greenhouse materials, seeds, fertilizers, other agricultural products.

Contribution to the Growth of the Sector: Gathering participants from across Türkiye and the whole globe upholds the development of agriculture and greenhouse industry while information sharing contributes to dissemination of best practices and to a general improvement of the sector.

Contribution to Tourism and Economy: The Growtech Fair attracts tourists to the city of Antalya and contributes to the development of local economy while local hotels, restaurants, and other touristic businesses attract more customers. Consequently the Growtech Fair holds utmost importance as it serves as a platform both for supporting the growth of agriculture and greenhouse industry and in respect of promoting international cooperation and industrial innovation to Antalya and Türkiye.

What works is your

faculty conducting in cooperation with the agriculture sector? Could you please tell us about the projects you conduct with Growtech and SERKONDER?

The faculty of Agriculture of the Akdeniz University holds a series of cooperation and works with the agriculture industry. These are:

Agricultural Training and Consulting: The Faculty of Agriculture offers agricultural training and consulting activities to the farmers and agriculture enterprises and also holds an important role to further improve and raise efficiency in agricultural practices.

Raising a Labor Force: The faculty of Agriculture works to raise qualified labor force for the agriculture sector. It also raises graduates equipped with necessary skills and knowledge thus meeting the needs of the sector.

Environmental Sustainability: The Faculty of Agriculture may cooperate on raising environmental sustainability in agriculture sector and protection of natural resources. This is important to maintain long-term sustainability.

With which R&D works do you contribute to the agriculture sector in the faculty of Agriculture of the Akdeniz University?

Faculties of Agriculture conduct various R&D works to contribute to the agriculture sector. These works may contain the following topics:

Agricultural Technologies: Works on automation, sensor technologies, and digital agricultural practices for raising

efficiency for agricultural enterprises and reducing workmanship costs.

Plant Protection and Fighting the Pests: The work to develop an effective fight against plant diseases and pests

Plant Breeding: The efforts to develop new plant types to further raise efficiency and quality of agricultural products.

Food Safety: Works to improve food production and processing processes, quality control, and food safety.

Livestock and Veterinary: The works to raise efficiency in the field of livestock, protect animal health, and supporting the livestock enterprises.

Soil Fertility: Soil analysis, fertilizing methods, projects related to erosion control.

Agriculture Faculty of the Akdeniz University conducts R&D studies on such issues and contributes to the agriculture sector. These studies do not only help in gaining practical experience for the students but also better prepare the graduates to meet industrial needs..

In your point of view, what importance does the agriculture sector have for our country? How did the agriculture sector develop in 2023 which we are about to leave soon?

The agriculture sector holds a major importance for the countries and holds a separate strategic importance for countries like Türkiye that hold a great potential for agriculture.

As for the importance of agriculture sector for Türkiye:

Food Security: Agriculture is a fundamental source enabling a country to hold its own food production. The agriculture sector meets the food needs of a society and ensures food security. It also reduces foreign dependency and brings along a resilience against food crises.

Exports and Foreign Trade: Türkiye currently exports agricultural products to international markets. Exports of agricultural products contribute to earning foreign currency and trade balance. The exports of agricultural products of Türkiye holds a large economic impact across global markets.

Rural Development: Agriculture is a means of livelihood for the people living at rural regions of Türkiye. Agriculture upholds rural development, raises living quality in rural areas, and may reduce migration.

Diversity: Türkiye holds different climatic conditions and soil types. This enables the raising of various agricultural products. This diversity is a great advantage for both domestic consumption and foreign trade.

Social and Cultural Value: Agriculture is part of a rich cultural heritage in Türkiye. Rural life, traditional agricultural methods, and local products constitute part of Türkiye's identity. Due to all these reasons, the agriculture sector holds major importance for Türkiye. It plays crucial role for national economy, food security, and social development of the country.

“WE CONSTANTLY WORK ON IMPROVING OUR FORMULA STRUCTURE THAT IS USED IN PRODUCTION ON A DAILY BASIS.”

TEMPO CLIPS

Tempo Clips is constantly improving its formula structure that is used in production on a daily basis, providing farmers with distinguished and reliable services. By focusing on organic growth, Tempo Clips aims to become a pioneer in the industry.

Hello, can you please provide some information about yourself and Tempo Clips?

Tempo Clips is a company that entered the industry in 2020, equipped with state-of-the-art machinery, adopted high-quality with an unwavering commitment to its business, striving to continuously improve and enhance its operations.

What products and services are offered by Tempo Clips, and in what areas does it provide customer support?

Our company manufactures two essential products for greenhouses, namely “segmented greenhouse clips” and “round greenhouse clips.” These clips keep the greenhouse bars securely fixed while using the greenhouse cover, providing farmers with confidence due to their resistant structure.

steps is the company taking to achieve it?

One of the primary objectives of Tempo Clips is to gain a leadership position in the industry by pursuing organic growth and maintaining its status as a dependable and high-quality solution partner for farmers. In order to achieve this objective, we make dedicated efforts towards the development of a high-quality product range backed by technological investments and research and development initiatives.



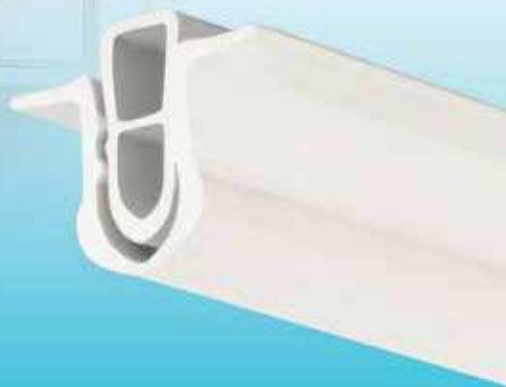
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**ROUND
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CLIPS**



**SEGMENTED
GREENHOUSE
CLIPS**

“We continuously improve our production formula.”

How can you provide more efficient and sustainable greenhouse solutions? How can you ensure product quality and durability?

We continuously improve our production formula based on feedback from farmers, in-house testing, and independent organizations.

Technological advancements are ubiquitous now. How do you benefit from technologies and innovations when producing materials and installing greenhouses?

Our production line incorporates the latest technology in the industry. We employ external and internal analyses to consolidate the development and organization of our company, which, in turn, enhances the quality of our products and services.

“One of the primary objectives of Tempo Clips is to gain a leadership position in the industry by pursuing organic growth and maintain its status as a dependable and high-quality solution partner for farmers”

What is the vision of Tempo Clips for the future, and what

Could you please elaborate on the sustainability and environmental protection activities implemented in the greenhouse industry? Could you please share information regarding any environmentally friendly projects in which you are involved?

These are two significant subjects that require attention today, the foremost of which is recycling. As the Tempo Clips Family, we understand its importance and are committed to its implementation in our operations. We prioritize sustainability and environmental protection in our negotiations and collaborations with professional environmental companies. Our production process utilizes a closed-loop water cooling system that ensures no waste is released into nature or sewage. Additionally, we recycle all waste materials, including dust and others.

How much importance do you place on customer satisfaction? What methods do you use to evaluate customer feedback?

We do not refer to the people we serve our products as ‘customers.’ Instead, we recognize them as the most important producers in this country – the farmers who cultivate the foods consumed by ourselves, our children, and our people. We believe that seeing these farmers as mere customers would be wrong for the Tempo Clips Family. Our goal is to be a brother, a sister, and a friend of our farmers, and their satisfaction is of utmost importance to us. As I mentioned earlier, the feedback that we receive from our farmers is what guides us in our decisions on what we should or should not do. And this is way too important for us.



ANTALYA COMMODITY EXCHANGE

ALI ÇANDIR

“GROWTECH. ANTALYA holds significant importance for the Antalya Commodity Exchange.”

Ali Çandır, Chairman of the Board of Directors of the Antalya Commodity Exchange, emphasized the significance of **GROWTECH. ANTALYA** for both Antalya and Türkiye, highlighting that the city has become an appealing destination for both local and international investors.

What significance does the 22nd Growtech event hold for the Antalya Commodity Exchange?

The Growtech Eurasia Fair holds significant importance for the Antalya Commodity Exchange. National and international companies in the agricultural industry gather to showcase their products, foster new collaborations, and keep up with the latest developments in the industry. The Growtech Eurasia Fair plays a vital role in fulfilling its mission to contribute to the growth of the agricultural sector both nationally and internationally.

How important do you think this exclusive exhibition is for Antalya and Türkiye?

Growtech is a significant exhibition for our country and industry, as it has the potential to cater to the needs and expectations of all exhibitors, primarily farmers, to bring together an array of new products, brands, and technologies, to offer exhibitors an opportunity to expand and enhance their business prospects, as well as to establish new connections. Growtech serves as a platform for Antalya and Türkiye to showcase its potential in the agricultural industry and innovative approaches to the global community.



“GROWTECH. ANTALYA serves as a platform for Antalya and Türkiye to showcase its potential in the agricultural industry and innovative approaches to the global community.”

“Antalya contributes significantly to the national economy and becomes a highly attractive destination for local and international investors.”

Could you provide your perspective on the role of Antalya as an agricultural city and its contribution to the national economy?

Antalya is a city that has become well-known for its expertise and experience in greenhouse cultivation. Specializing in the export of various products, Antalya possesses the potential to utilize medical and aromatic plants in the pharmaceutical, cosmetic, food, and chemistry industries. Also renowned for its high-quality local olive varieties, Antalya boasts a well-developed transportation network compared to other cities. Additionally, Antalya holds a regional advantage in the manufacturing and trade of subtropical plants, which presents significant investment and trade opportunities. Furthermore, the city offers promising investment opportunities in solar energy systems due to its high number of sunny days. These features make Antalya a highly attractive destination for local and international investors, and it contributes significantly to the national economy.

What steps can be taken to encourage agricultural practices and inspire future generations to adopt these practices?

It is essential to encourage the younger generation to develop an interest in agriculture in order to promote and sustain family businesses. To achieve this, we need to increase awareness and experience among young people, build their cooperative capacities, work discipline, and habits, instill a sense of responsibility, and encourage them to pursue education and business

opportunities in the agriculture sector.

“The agricultural sector is a crucial and strategic component of our economy, and its significance lies in the guarantee of food safety for our nation.”

How did the agriculture industry perform in 2023?

What are your expectations for the upcoming year, which is only a few months away? The agricultural sector has been facing challenging times for a long time. On the one hand, there is cost pressure and issues with accessing financing, while on the other hand, weak resistance to climate change and natural disasters is pushing manufacturers and traders. As a result, the industry has experienced a challenging year, with input costs exerting negative influences and the sector shrinking in terms of contribution to the national income. This has led to a rise in agriculture and food prices. Essentially, one of the primary reasons behind the increase in agriculture and food prices is the reduction in the size of the agricultural sector. Agriculture is a strategic sector and plays a critical role in ensuring the food safety of our country. Therefore, it is imperative to increase support for the agricultural sector, strengthen financial support for farmers, and develop more effective policies that combat climate change. Looking ahead to the coming year, it is essential that we continue taking steps to promote sustainable agriculture and enhance competitiveness among farmers. This effort is not only necessary for the present but also for our future generations.

DISCOVERING THE FLAVORS OF ANTALYA

Never leave Antalya without tasting the Mediterranean flavors of Antalya's cuisine.

WHITE BEAN SALAD VINAIGRETTE



Antalya, Türkiye's fifth densely populated city is now the focus of interest for everyone due to its unique location in the Mediterranean Region. A tourism heaven in Türkiye, Antalya has also come to fore in agriculture. Particularly oranges, tangerines, lemons, and grapefruits are among the major crops in the region which is famous for citrus fruit farming. Besides, tropical

fruits like pineapples and avocados are also significant. Let us have a look at the tastes that you should absolutely try once you are in Antalya. Interacting with the Cretan cuisine, local cuisine and several others, this warm city of the Mediterranean is representative of a fusion culinary culture with the recipes from world cuisines. Piyaz (white bean salad vinaigrette) is undoubtedly the leading tastes

of the city of Antalya. Tahini Piyaz or Piyaz with nut and garlic sauce is a must to discover, as a specialty of the city. We also strongly recommend you to try local tastes like sedik aşı, arabaşı soup (a special chicken soup), fried mullet with nut and garlic sauce, testi kebab (kebab cooked in a sealed clay pot), hibeş (spread of tahini, cumin, red pepper flakes, and lemon juice), pumpkin dessert, and orange jam.



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ANTALYA TRAVEL GUIDE

A SLICE OF PARADISE IN TÜRKİYE: THE WESTERN MEDITERRANEAN

The Western Mediterranean region of Türkiye is an incredibly important area that boasts a rich cultural heritage, breathtaking natural beauty, and immense tourism potential. Thanks to its exceptional natural offerings, you can explore this privileged location and experience unforgettable moments throughout all seasons.



GELIDONYA LIGHTHOUSE

The Gelidonya Lighthouse, located in the Kumluca district of Antalya, is the highest lighthouse on the Turkish shores and a popular destination for nature lovers hiking its trails during the summer months. Located on the historical Lycian Way on the Taşlık Cape of Kumluca district of Antalya, the Gelidonya Lighthouse is the highest lighthouse on the Turkish shores. The Gelidonya, or with its official name, Taşlık Cape Lighthouse, towers 227 meters above sea level and stretches three kilometers deep. The Gelidonya Lighthouse was built on needle rocks, inaccessible by vehicle, but can be reached through a 12-kilometer Adrasan route on the Lycian Way and a 7-kilometer Karaöz District or by seaway.



ARYCANDA ANCIENT CITY

Arycanda is one of the oldest settlements in the Lycian region, which is evident from its name, meaning "the place next to the high hill." It is located within the boundaries of the Arif Village, on the foothills of a steep, in the middle of the Finike-Elmalı road. The town boasts of several distinguished monuments such as the Odeon, which dates back to the Empire Hadiran Age, a well-protected theater right behind the Odeon, a stadium for sports

competitions and contests, stores carved into the stones on the agora (the heart of the town), a bouleterion (parliament building), a temple dedicated to the sun god, and villas with mosaic base covers in some sections. The most magnificent structure in Arycanda is the "large hammam-gymnasium complex," which has managed to survive in good conditions until today. Additionally, there are mausoleums in the necropolis area.



BUTTERFLY VALLEY

Butterfly Valley is ranked among the top places in Türkiye for its stunning view and natural beauty. It is truly a hidden paradise. Situated on the foothills of Babadağ Mountain, one of the 100 mountains designated for protection by the World Heritage Fund, Butterfly

Valley is one of the bays in the area. You can take the footpath through the middle of the valley to reach the waterfall, where butterflies nest, and see the incredible underwater rock formations with the help of the diving school that has been operating for years.

PATARA BEACH

Patara Beach is an exquisite destination close to the ancient city of Patara, one of the most extensive beaches in the area. What sets it apart from other beaches is its length, which spans 18 km, and its varying depth of 200-300 meters. The sand on the beach is fine, and the sea is shallow. Patara Beach is also renowned for its almost constant wind, making it a preferred spot for windsurfing enthusiasts. To safeguard the endangered Caretta Caretta turtles, Patara Beach is under protection as it is one of the places where these turtles lay their eggs. Barriers have been erected to prevent wind-borne dunes from reaching the ancient city inside the Patara beach.

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KEKOVA

Kekova is a small rocky island located offshore Kaleköy and Üçağız, near the Demre District of Antalya. The island spans a surface area of 4.5 km² and has no inhabitants. On the opposite shore of the island, in Kaleköy, you can find pensions and cafeterias, and you can get there by boat since it is connected to the mainland. On the north side of the island, you can occasionally see sunken wrecks from the ancient city of Dolkisthe, which disappea-

red due to earthquakes in the second century. Kekova was rebuilt and developed during the Byzantine period, but its development stopped due to Arabian invasions. The Ministry of Environment and Forestry declared Kekova and its surroundings as an archeological site on June 18, 1990. Although private permission is required for all swims and dives, this prohibition was lifted for places other than those with historical sunken wrecks.

SULUADA

Suluada is a Mediterranean island of Türkiye located in the Kumluca district in Antalya, at the westernmost end of the Antalya Gulf. Suluada is also a Mediterranean Island across from Adrasan, which is about 15 kilometers away from Suluada shore. To reach Suluada, you can take a boat tour from the Adrasan port. Suluada offers a Maldives-like experience to vacationers with its turquoise blue and crystal clear sea. While it is one of the lesserknown natural gems in the country, Suluada is considered the Maldives of



Türkiye. Do not miss the opportunity to explore the hidden gem of the Mediterranean and its surrounding virgin bays on a boat tour.



OLUDENİZ

Ölüdeniz beach was voted the world's most beautiful beach in 2006 with 82% of the votes. This town heavily depends on tourism and is known as the "Land of Light and Sun" in Lycian and as the "Far Lands" in the Middle Ages. It is located in the Teke Peninsula in the southwest of Anatolia and is one of the lagoon formations in Türkiye. True to its name, Ölüdeniz (the Dead Sea) is like a glassy lake, with only a slight

flurry even during the stormiest days, while waves on the coasts of Belceğiz are more aggressive. You can access the town through land, sea, or air. Regular bus services are available from major city centers such as Antalya, İzmir, Ankara, and Istanbul to the Fethiye district. The Dalaman airport is only a 45-minute drive from the town. The distance between Fethiye and Ölüdeniz is 12 kilometers, and you can access the city from Fethiye through regular transportation.

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ANTALYA TECHNOPARK

“We Successfully Continue with Our Project Studies for Antalya and Our Region”



Incorporating the most important companies that steer Türkiye's objective of developing local and national technologies, Antalya Technopark introduces its projects to the exhibitors at the 22nd GROWTECH. ANTALYA In an interview with Dr. İbrahim Yavuz, General Manager of Antalya Technopark and the President of the Technology Development Regions Association, not only mentioned their collaborations, but also provided information about the recent projects they brought into action.

Can you inform us about the studies carried out by Antalya Technopark?

The Mediterranean Region has become a center of attention for R&D, production and trade, given its natural and historical beauties, as well as the presence of technology and innovation ecosystems like universities, technology development zones, organized industry zones, and free zones. With its academician entrepreneur and student companies, Antalya Technopark creates the most impor-

tant R&D ecosystem in the region, in the industries of tourism technology, biotechnology, food, medicine, health, electric & electronic, defense industry, software and information. Antalya Technopark incorporates the most important companies that steer Türkiye's objective of developing local and national technologies. At Antalya Technopark, we have 222 companies conducting R&D studies. As the producers and users of R&D-oriented advanced technology, these companies achieve very important works in

the fields of software, information, tourism technologies, health, biotechnology, seed technology, electric & electronic, and food. For instance, today, all the companies that develop software for around 90% of all hotels in Türkiye are operating under the roof of Antalya Technopark. Similarly, the R&D studies for agricultural technologies that steer the sector through their studies on local seeds, breeding activities and smart agricultural practices are also carried out at Antalya Technopark.

“I believe that introduction of our operations developed at Technopark for the agriculture sector is valuable for the vision of the exhibition.”

Growtech will be organized for the 22nd time this year. What does this mean for Antalya Technopark?

At the 22nd Growtech Exhibition that we will participate as Antalya Technopark, we will introduce to the exhibitors our projects carried out within the body of our Technopark. I believe that introduction of our operations developed at Technopark for the agriculture sector is valuable for the vision of the exhibition. In also think that the meetings, project presentations and panels we will also organize at the Plant Breeding Project Market, which is the only project market in the field of Plant Breeding, are highly valuable for the companies, entrepreneurs and sector representatives that will take part in the exhibition. Project owners will promote the products they have developed for agricultural purposes to the companies participating in the exhibition, evaluate market demands in the field of seed breeding and also enter into long-term agreements with the companies they meet at the Plant Breeding Project Market. I would like to underline that organization of the Plant Breeding Project Market event at Growtech Exhibition is a great gain for the exhibitors.

What kind of preparations do you plan on for the new year?

We successfully continue with our project studies for Antalya and our region. We pursue our studies oriented towards the goal of introducing

the first Agricultural Technopark of the region to Antalya. Our Agricultural Technopark project is a crucial project with regard to becoming a leading center for innovation, acceleration and incubation processes of food & beverage and agricultural technologies in both Türkiye and the world, and development of sustainable agriculture and agricultural technologies in Antalya, in line with the national development strategy, national strategy of regional development, focuses on growth and technology policies. The signing process for a R&D Building has also been concluded with TUSAŞ (Turkish Aerospace Industries, Inc.), an important value for the defense industry of Türkiye. High technology-driven defense industry projects will be carried out at Antalya Technopark. Engineers, software developers and students will be employed at the R&D Building. The ongoing collaboration with TUSAŞ is a great gain for both Akdeniz University and the city. In addition to these projects, we also maintain our project activities in connection with our “Technology Valley” project and the entrepreneurship ecosystem.

In your opinion, how important are the contributions of this exhibition to the point reached by Türkiye in the agriculture sector?

The agriculture sector is one of the major sectors for national economy, considering its contributions to employment, export and national income. Agriculture occupies an important strategic position in Türkiye, in comparison to other countries. Agricultural activities carried out all around Türkiye, enterprises and exhibitions add value to the development of agriculture sector. The point achieved by the agriculture sector

in Türkiye is a point of pride. In respect of our city of Antalya, agriculture has achieved a remarkable development, almost as much as the tourism sector. Gathering of world's leading agricultural experts with exhibitors at Growtech Exhibition - held for the 22nd time this year - is critical in respect of not only enabling exhibitors access to their target markets by means of this exhibition, but also sharing product ranges and innovative works, in addition to the exhibition's quality.

“Antalya is one of the primary agricultural cities in Türkiye.”

You have been engaged in studies regarding the Plant Breeding Project for long years. In your opinion, what is Türkiye's position in this regard?

Antalya is one of the primary agricultural cities in Türkiye. ‘Plant Breeding Project Market Antalya’ that will be held for the 7th time this year, hosted by Antalya Technopark, is an important project for our Technopark. This event will enable the inclusion of projects of importance for the development of plant breeding in the projects, laying the foundations of breeding and project-based long-term collaborations as part of that and achievement of high value-added production by the agriculture sector. Today, at a time when agricultural products are considered strategic products for countries, R&D studies to be conducted in this field become more and more important. This project will gather the entrepreneurs and companies working in the field of agriculture and food under the same ecosystem, leading to strong collaborations in the field of agriculture.

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minds, in both business and cultural senses. What is going on in the scientific branches that serve agriculture, various disciplines contributing to the agricultural industry, technologies and new perspectives will all be on the agenda of "Conversations on Agriculture". Scientists working on drought, invasive species, harvest losses, soil problems and data management, and many others, will be the guests of honor of the conversations on agriculture and seek answers to our questions. As Conversations on Agriculture, we now update the countries' goal of being "self-sustaining" in agriculture and open for discussion the issue of "self-sustaining agricultural

ecosystem". We dream of an agricultural ecosystem that is capable of generating its own energy in the shadow of climate change and ethics, controlling its environmental impacts and sharing food fairly. Conversations on Agriculture discusses in all respects and opens for discussion the "future of agriculture". Our purpose is to gather the true owners of the sector and producers of science around the same conversation. This year, "Conversations on Agriculture" will bring together really interesting topics and guests and GROWTECH ANTALYA exhibitors and visitors under the motto of "Share the Future". Future of agriculture, under the headlines of "Life-Fixing

Agriculture", "Agriculture and Food in the shadow of Ethics", "Climate Steeping", "Agricultural Diplomacy", "Biotechnology", and "Agriculture and Food systems: Guarantee of Fullness" will be addressed by our speakers who are experts in their fields, thus motivating the sector. We will talk about agriculture's today and future with Climate Scientist, Prof. Dr. Mikdat Kadioğlu, Experienced journalist, Kemal Öztürk, an Expert in the field of Agricultural Diplomacy, Assoc. Dr. Şuay Nilhan Açıkalın, an Expert in the field of agricultural production in Blue Economy oceans and founder of Trilye Restaurant, Süreyya Üzmez, one of the world's very few

scientists, Prof. Dr. Umut Toprak, and brother Tanfer of Turkish agriculture, Dr. Tanfer Dinler. We believe that a strong agricultural industry is the mission of not only governments and companies, but also individuals. In this context, we hereby invite everyone who has set their hearts on agriculture and wants to talk about agriculture to attend the sessions that will be held on the 3rd day of GROWTECH ANTALYA, on November 24, 2023, between 11:00 and 16:00. We are expecting everybody to talk about the future of agriculture, share our interests and listen to your opinions at GROWTECH ANTALYA, one of the world's biggest agricultural technology exhibition.

Impacts of the climate crisis demonstrates the necessity of protecting agriculture by using technology. Agricultural professionals, farmers and suppliers can look to the future more confidently through agricultural technologies. GROWTECH ANTALYA will, therefore, not only bring together trade representatives this year, but also host major conferences as the biggest

marketing platform of global agriculture sector. As a tradition of GROWTECH ANTALYA, we will share with all exhibitors and visitors our experiences this year, like we did last year, during the "Conversations on Agriculture". Organized in collaboration with GROWTECH ANTALYA, each inspiring conversation that triggers questions and innovations will leave permanent marks in our

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PROVINCIAL DIRECTOR OF AGRICULTURE AND FORESTRY OF ANTALYA

Ş. FIRAT ERKAL

“3,5 Million Decare of Land in Antalya is Dedicated to Agriculture”



Ş. Fırat Erkal, the Provincial Director of Agriculture and Forestry of Antalya, states that the **GROWTECH. ANTALYA** exhibition is a significant event for the agriculture industry in Türkiye, which is Europe's second-largest and the world's fourth-largest greenhouse industry, providing national and international industry leaders with the opportunity to explore the latest products, technologies, and developments.

effective and efficient execution of these policies by various organizations and institutions. To meet the growing demand of the global population, Antalya has been able to increase its vegetable and animal production by adhering to the correct policies and their implementation, enabling the provision of healthy and safe food to numerous countries, including our own.

“The location of this exhibition in Antalya, recognized as the capital of agriculture, enhances the value and reputation of our city and country in the field of agriculture..”

What is the significance of the 22nd Growtech event for the Provincial Directorate of Agriculture and Forestry of Antalya?

The use of technology and to make this technology widely available is crucial to increasing agricultural production worldwide. Growtech, an exhibition showcasing the agricultural industry of Türkiye, Europe's second-largest and the world's fourth-largest greenhouse industry, provides national and international industry leaders with the opportunity to explore the latest products, technologies, and developments. The location of this exhibition in Antalya, recognized as the capital of agriculture, enhances the value and reputation of our city and country in the field of agriculture.

How important is this exhibition for Antalya and Türkiye? What contributions does it make to the industry?

The Growtech exhibition is the perfect platform to discover the latest products and technologies of the agricultural industry, featuring a wide of innovations including greenhouse technologies and equipment, irrigation systems and equipment, seed, plant nutrition and protection products, and livestock equipment. This exhibition offers you the chance to explore all agricultural innovations and developments under one roof. We hope that this exhibition brings good fortune to Antalya and our country. We invite all our citizens to attend the Growtech exhibition, which showcases the Turkish agricultural sector. The event will be held at Anfaş Expo Center in Antalya from 22nd and 25th November.

What is the position of Antalya in the agriculture sector of Türkiye? What activities are carried out in this sector?

Antalya leads the way in Turkish agriculture, particularly in plant production. Recent policies, investments, and subsidies have helped to boost Türkiye's agricultural potential and strengthen its position. Antalya has a total surface area of 20 million decare, of which 3.5 million decare is dedicated to agriculture. Out of this agricultural land, field crops are grown on 1.8 million decare, fruits on 848k decare, vegetables on 450k decare, and

ornamental plants on 8k decare, while the remaining 403k decare consists of fallow and unused lands. The most significant form of crop production in Antalya is greenhouse cultivation, which occupies 308k decare of greenhouse cultivation area. Antalya accounts for 38% of the greenhouse cultivation lands in Türkiye and ranks first in the country. In 2022, Antalya produced 4.9 million tons of vegetables, 1.9 million tons of fruits, 1.2 million tons of field crops, and 855 million units of ornamental plants.

How did Antalya become a major contributor to national

agriculture exports and imports?

Antalya produces 90% of fruits and vegetables for domestic production and exports 10%. In 2022, Antalya exported 622k tons of raw vegetables and fruits, earning 586 million dollars in foreign exchange. Antalya accounted for 43% of the total ornamental plant exports, earning 59 million dollars in 2022. Antalya has played a significant role in promoting the use of local seeds, with a utilization rate of 55% in vegetable seeds. It has contributed immensely to our country and continues to make strides by increasing its knowledge, experience,

and capital, with a total of 90 companies that manufacture vegetable seedlings and 112 companies that manufacture vegetable seeds. In the year 2022, Antalya produced 166 tons of standard and hybrid seeds.

What is the reason behind Antalya's success in the agricultural sector?

The remarkable success of Antalya in agricultural production can be attributed to the rich knowledge and experience of its farmers, their receptiveness to innovation and global developments in conjunction with the agricultural policies implemented by our government, and the

EVENT
GUIDE

PLASTIC LOVES

Date: November 22, 2023

Time: 20:30 **Place:** Türkan Şoray Kültür Merkezi

Get ready to laugh out loud with the fantastic performances of successful artist Ebru Kural and seasoned artist Oya Başar. Their show, Plastik Aşklar – which translates to Plastic Loves – is a reflection of the love stories that we experience in modern times. This performance, set on the day of Hıdırellez in May, celebrates the awakening of nature and the arrival of spring. Do not miss this unforgettable experience

with two women, each with their own unique past and adventures, who come together on this night to transform their springs into something special.



Date: December 1, 2023

Time: 22:00

Venue: Sponge Pub Konyaaltı

NAZAN ÖNCEL

Nazan Öncel, a prolific composer who has left her mark on Turkish pop music with her popinfused compositions and has written hundreds of song lyrics for various singers, is returning to Antalya to perform her favorite songs. You can book your spot right away to catch her live performance on December 1 at Sponge Pub Konyaaltı.

WHAT'S GOING ON IN THE CITY?

ANTALYA SAND SCULPTURE MUSEUM



Date: November 30, 2023 **Place:** Sand Sculpture Museum

Get ready to be amazed by SANDLAND, the Antalya Sand Sculpture Museum. Since 2006, Antalya Sand Sculpture Museum has been hosting one of the oldest, most prestigious, and largest sculpture exhibitions in the world, featuring hundreds of giant sand sculptures, and is notable for its vast area, large number of participants, and the amount of sand used. Sand sculpture art is an ephemeral (temporary) form of art that has recently gained popularity worldwide. Sand and river water are the only materials used in these sand sculpture events, which fall under the category of alternative arts.

Tuna Kiremitçi 'ŞAIRİN ŞARKILARI' ACOUSTIC

Date: November 25, 2023 **Time:** 20:30

Venue: Türkan Şoray Kültür Merkezi

Tuna Kiremitçi is celebrating his 25th year in music with a concert called "Şairin Şarkıları/Songs of the Poet." Kiremitçi released his first album with his band Kumdan Kaleler in 1997, and his poetry was published on Varlık in 1994. For the past 25 years, he has successfully combined literature and music in his work. Tuna Kiremitçi presents the "Songs of the Poet" program with violinist Müge Alpay. While performing his own songs like "Bir-den Geldin Aklıma," "Bu Aşk Burada Biter," "Affet," "Diğer Yarım," "Sana Dair," "Yine Sevebilirim", Kiremitçi embellishes intermissions with cultural anecdotes and gossip, portraying himself as an encomiast.



EMRE AYDIN

Date: November 24, 2023

Time: 22:00

Venue: Sponge Pub Konyaaltı

Emre Aydın is coming to Sponge Pub Konyaaltı on November 24, 2003. The singer began his music career in Bornova Küçükpark. In 2002, Emre Aydın formed a band called 6. Cadde, with Onur Ela, participated in the "Sing Your Song" composition contest. Out of 1574 candidates, Emre Aydın came in first place with his song called "Dönersen." Emre Aydın is returning to Antalya to perform his most famous songs with the philharmonic audience.



LETTER FROM AN UNKNOWN WOMAN

Date: December 23, 2023

Time: 20:00

Venue: Antalya Muratpaşa Belediyesi Kültür Merkezi

This story is a tale of love, losing, and loss. Stefan Zweig's timeless masterpiece has been brought to life by Çağdaş Serter's incredible performance. A young woman's life and love change, grow, and flourish as a young writer moves into her building.



Metin Güneş

“The Growtech. ANTALYA is Highly Significant for Attending Manufacturers, Importers, and Exporters”

During an interview with Metin Güneş, the Chairman of the Board of the Association of Fertilizer Manufacturers, Importers, and Exporters (GÜİD), he emphasized that our country has vast agricultural potential and highlighted the significance of the 22nd **GROWTECH. ANTALYA** event for the association.

What is the significance of the 22nd Growtech event for the Association of Fertilizer Manufacturers, Importers, and Exporters?

Trade shows play an integral role in business operations. These events are crucial for promoting our products, making new connections, as well as expanding our reach to different countries. The Growtech exhibition is an important event that attracts manufacturers, importers, and exporters, as well as visitors from all around the world. GÜİD is a non-governmental organization that exclusively represents our country in the fertilizer sector. The Association of

Fertilizer Manufacturers, Importers, and Exporters has over 180 valuable members. GÜİD is one of the organizations that provide support to Growtech. Given the vast number of visitors and exhibitors, the positive impacts after the fair, and the high-quality organization, Growtech is of great significance to GÜİD.

“Türkiye is a country with abundant agricultural potential and a wealth of agricultural biodiversity, surrounded by the sea on three sides.”

What is the significance of this exclusive exhibition, where manufacturers, importers, and exporters convene, for Antalya and Türkiye?

Türkiye is a country with abundant agricultural potential and a wealth of agricultural biodiversity, surrounded by the sea on three sides. The Growtech Fair is a highly significant event that showcases the potential and opportunities of Türkiye’s agriculture to both exhibitors and visitors.

Trade shows provide an excellent platform for businesses to showcase their products as well as establish new connections while also having a

significant impact on the local economy of the host country and city. The influx of visitors contributes immensely to the growth of various commercial activities such as hospitality, gastronomy, transportation, and others.

Although Antalya is known for its agricultural significance, it is also considered as a tourism capital. In fact, those who visit Antalya for the first time are bound to return for a vacation due to the city’s natural beauty and attractions. Hosting the Growtech Fair in Antalya, a city with ample social facilities, provides great benefits for visitors and exhibitors while also contributing to the national economy, mainly including Antalya.

What is our country’s role in the fertilizer industry? What steps do you take to improve agricultural efficiency?

We are one of the world’s leading countries in many products in regard to vegetable production. Ensuring a secure and stable food supply is of utmost importance for countries around the world. With the world population on the rise and the threat of epidemics, vegetable production has become a top priority.

To achieve efficiency and quality in a unit area in vegetable production, the basic requirement is fertilizer. Encouraging both the production and use of fertilizers is crucial for our country. We need to take necessary measures to address the shortage of raw material resources.

At GÜİD, our primary focus is to promote the conscious use of fertilizers, which involves using the right amount of the right fertilizer at the right time and place.

GÜİD is working on increasing production capacity and supporting the production of high-quality fertilizers despite the shortage of raw materials, in addition to making widespread the conscious use of fertilizers.

What was the performance of fertilizer production and use in 2023? Do you have any predictions for the upcoming year?

It is concerning that

our country’s fertilizer consumption has been decreasing for the past two years. Despite insufficient phosphorus and potassium resources, mainly natural gas, we still produce 50-60% of the fertilizer we consume. In 2020, we consumed 7.1 million tons of fertilizers, followed by 6.4 million tons in 2021 and 5.9 million tons in 2022. It is predicted that we will consume around 5.5-6 million tons of fertilizers in 2023.

It is unfortunate that our country’s average fertilizer consumption is only 110 kg/ha, compared to the global average of 140 kg/ha. It is crucial that we increase our fertilizer consumption and subsidies. Therefore, instead of merely predicting the upcoming year’s fertilizer usage, we should make efforts to increase it absolutely.

Could you please clarify what GÜİD plans are for this year’s Growtech exhibition?

As a non-governmental organization that supports the Growtech exhibition, we will have our GÜİD booth at the exhibition. Our aim is to inform both domestic and foreign visitors about the Turkish fertilizer sector and national agriculture.

We plan to have meetings with fertilizer associations and non-governmental organizations from various countries and connect them with relevant companies in our country.

“It is crucial that we increase our fertilizer consumption and subsidies.”





HACI ÖMER GÜLER

“We Have Expanded to Exporting Not Only the Seeds But Also the Associated Technology”

Hacı Ömer Güler, the Chairman of the Board of the Turkish Seed Union (TÜRKTOB), shared in an interview insights about seed production based on data and expressed feeling like a stakeholder rather than an exhibitor at the **GROWTECH. ANTALYA**.

You have been cooperating with the Growtech Fair as the Turkish Seed Union for many years. What kind of activities do you carry out in this regard?

As previously mentioned, our cooperation with Growtech Fair has been long-standing. More specifically, as the Turkish Seed Union (TÜRKTOB) and Sub-Unions, we consider ourselves more than just exhibitors of the Growtech Fair but its stakeholders.

Growtech Fair provides an effective platform for communication and interaction within the seed industry, which often leads to successful commercial agreements for participating companies. Our discussions with local farmers and foreign procurement committees during the exhibition have resulted in effective and feasible projects and commercial agreements shortly after.

The interest in the exhibition from the seed sector has been increasing since the first year, and Growtech Fair has contributed to branding new companies and consolidating the image of established ones. It is evident that the participation of leading companies in the sector has helped strengthen the Growtech brand.

Can you please provide details about the activities that TÜRKTOB carries out in relation to the exhibition?

We are organizing the 7th edition of the Plant Improvement Project Market, which we are organizing in collaboration with Antalya Technocity and the Chamber of Commerce and Industry of Antalya, during the Growtech Fair. The event will showcase various

creative projects competing in the Turkish seed industry and plant improvement sector. We believe that we are sowing the seeds of the future now. Moreover, we also host press meetings during every fair. Invited journalists and broadcasters will have the opportunity to observe and report on the sector and fair as news.

As TÜRKTOB and Sub-Unions, we will be available at our company booth to meet with producers and company representatives. We will provide information on the correct plant production materials and strive to replace misinformation about the seed sector and seeds with accurate information. To achieve this, we are organizing training and publications during the exhibition.

How does the exhibition contribute to increasing the importance and export share of the seed industry?

As you may appreciate, our main criteria for measuring success is feedback from exhibitors. The Turkish seed industry has had an export/import coverage ratio of over 100% since 2018, which reached 130% at the end of 2021 and 137% in 2022.

For many years, we have been saying that the “Turkish seed industry is growing, our export is increasing, and we are not obliged to import. We only import seeds due to consumer demands”. Despite some skeptics, we have surpassed our exports compared to imports.

We currently export seeds to over 100 countries, including the USA, the world leader; China, the world’s second leader; and France, the world’s third leader in

seed growing.

There is no European country that we do not export to. By the end of 2022, we sold \$386 million worth of products to the Turkic Republics, Middle East, Gulf Countries, and Africa.

We have expanded to export not only the seeds but also the associated technology.

We promised to increase the export of seeds above the import of seeds on the 100th anniversary of the Republic. We are proud to have kept our promise one year before that date. We are working hard to ensure that our national seeds are used more and more by our farmers, and we expect the support of our producers in this regard.

What steps can be taken to increase our country’s current potential in seed growing?

It is easy to answer this question based on basic parameters. The export figures demonstrate a similar trend to the production figures.

Our sector has advanced rapidly with the enactment of the Plant Breeders’ Law of 2004 and the Seed Growing Law of 2006, resulting in an increase in the production of seeds, seedlings, saplings, and ornamental plants each year. Furthermore, new national varieties developed by Turkish breeders are increasingly preferred in each production period. As of the end of 2022, our production of certified seeds totaled 1,361,336 tons, with 137 million units of nursery stocks, 2 million units of tendrils, 6 billion units of vegetable seedlings, 91 million units of strawberry seedlings, and 2 billion units of ornamental plants.

Let me summarize the meaning of these data on a pro-rata basis.

We have experienced a significant increase in the last decade in certified seed production by 100%, sapling production by 300%, seedling production by 95%, and ornamental plant production by 75%.

The private sector accounts for 90% of the seed production and 77% of registered varieties. Our production/supply coverage ratio exceeds 100% for strategic products and is almost 100% for other products.

To further improve our sector, the following actions need to be taken:

- The government should provide more support to reduce the price difference between the product and seed;
- The government should allocate more sources to research and development (R&D), particularly in plant breeding;
- The Ministry of Agriculture and Forestry should offer us more technical facilities;
- TÜRKTOB should receive more support to prevent unregistered production and trade;
- Public lands should be made available to our industry at affordable rates, and the value-added tax (VAT) on ornamental plants should be reduced from 18% to 8%, the same as other plant production materials and
- Our government and other public institutions should provide more support for TÜRKTOB’s publication and social responsibility projects to encourage farmers to use certified and national seeds.

TÜRKTOB launched a social responsibility project called “In the



Track of Seeds.” Can you provide more information about the aim and benefits of this project?

Ensuring sufficient and healthy nutrition for the rapidly growing global population is one of the most significant challenges that the world will face in the future. In order to address this issue, it is imperative to increase healthy food production in tandem with population growth and take immediate steps to ensure equitable distribution of healthy food.

Local genetic diversity and seed sources are the most crucial breeding materials to develop highly efficient plant varieties that are well suited for our country’s ecological conditions. These genetic sources have developed resistance to a plethora of unfavorable conditions over the course of thousands of years and are, therefore, the most essential breeding materials today, as well as the key to overcoming many of the challenges we may encounter in the future.

Türkiye is located in a unique position with respect to plant genetic diversity, possessing 11,707 taxa and 3,035 endemic taxa, making it one of the most significant countries in the world in terms of genetic resources.

Our country is also rich in local varieties, in addition to endemic plants. Varieties of a cultural plant which have been improved by the farmers through selection over the years and have adapted to their particular locality, are

called local varieties or village varieties. Local varieties, which are the most crucial components of breeding programs, contain high variations and possess high quality and taste in addition to resistance to diseases and pesticides, and thus, they hold a significant place as plant genetic sources. The knowledge that has been accumulated about these varieties over centuries is also a cultural heritage that our country has to offer. In light of these facts, the Turkish Seed Union has initiated a Social Responsibility Project called “In the Track of Seeds.”

The main objective of this project is to suggest improvements in the legislation related to the collection, storage, and evaluation of germplasm and local varieties of our country, as well as to support initiatives related to the collection, storage, and evaluation, to raise awareness about bio-smuggling and related issues through social responsibility projects, to form public opinion about these issues and to create a sense of ownership, and to contribute to the collection, storage, and evaluation stages personally as well.

We have successfully completed the 5th period of our “In the Track of Seeds Project” by adding more than 400 local varieties to gene banks and are now moving on to the 6th period. We also conducted the Local Variety Garden Training Project with the support of the Ministry of Agriculture and Forestry, training over 2000 students from 40 schools in one year.



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